

## SEQUENCE LISTING

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Snezana Drmanac  
Ivan Labat  
Dena Leshkowitz  
David Kita  
Veronica Garcia  
William Lee Jones  
Birjit Stache-Crain

<120> Novel Human Genes and Gene Expression  
Products I

<130> 2300-1480P

<140> 09/

<141> 1998-12-21

<150> 60/068,755

<151> 1997-12-23

<150> 60/080,664

<151> 1998-04-03

<150> 60/105,234

<151> 1998-10-21

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ggcgncnagt cccaaantcn taccttgtaa gacctttann tnnctgngg tnttntnna 240  
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cnnagattac tatccaaaca caggttttca cgntacctga ngctggtnga naattatgcy 180  
accatgaggc tttccangat ntttctannt ancagacngn gnacaatgnt gaanaagcng 240  
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cntgccggte ttgtctnttt tgtctaccnn gagganannn ntntgggaca tcccagactg 180  
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gaatttcgac	ccctgagctt	gttcggacgt	atgggtccaaa	ttcagattaa	ggtgggcacc	240
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cctcntgaat	aaatgcaata	aantttcngt	tgatcttata	caccttatgc	nccntantta	240
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cctgtcaaac	cctannnnnn	nnnnnnnnnn	nnnggatttg	atnagcctgt	nccanacctc	180
tgcagcctcn	ancggtnngt	ntaccatagt	ggggatgacc	ctctgatact	ttgnccctgg	240
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<213> Homo sapiens

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aaaaaaaaata	catttagtat	agcggggggg	gggcggggaga	aataatgtta	tttcctatgc	180
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<213> Homo sapiens

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ctactccaga	gaccagtgcc	cctcaacagt	aaagactttt	ctttaataag	agtacgggtgc	180
cacttgccctc	aaaagttact	atggtgctta	agattgtctt	gatctgacat	atatcacctt	240
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 gnaaggaaan ggggnaangg accggtntta tncctatgtn gtntttgcag gcaaangaaa 180  
 nggaccnttt tttgtaaaaa aaagtctttt gnncaantaa acgggggtntg ngggtncagg 240  
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 ttcgtctcaa aaaaaaaaaa nnnnnnnnnn nnnnnnnnnn nncgggttct cccaaattnt 180  
 tttnaggggg ccatggncaa ctgnttnacn tttgtttngg naaccccntg ccnaagncg 240  
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 agtcctcca agagttaccg tgtgaccag caattccact cctagctcca cccacaggaa 180  
 ttgaaagcaa agacgcaaac agatgcctgt gcaccaaagt tcacggcagc atccttcgcc 240  
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 ggggagggtg gggagggttt nncggnannn nnnngcnnnn annccccggn nngnnngaag 180  
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<210> 14  
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<212> DNA

<213> Homo sapiens

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ctgttttctt	caaaattatc	tacacctgat	gttgtgagcc	catttgggac	cccatattggc	180
tctagtgtaa	tgaatcggat	ggctggaatt	tttgatgtaa	acacctgcta	tgggtcacccg	240
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<211> 300

<212> DNA

<213> Homo sapiens

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gatgctttct	ctaacagaga	aattcttagt	gactccagtc	gtagaaaaac	gtctttacaa	180
cctgaataag	attgaagaat	tgtgaacata	ccatggccta	ttggatgaat	catttgccgt	240
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<212> DNA

<213> Homo sapiens

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ngnnnnnnngc	nnacttnact	tccnngaanc	actataattg	gnanacnttn	ctaannggtn	180
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<212> DNA

<213> Homo sapiens

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tgtctgggatt	acaagcatga	gccagcgcc	tggctgtatc	tttcatttta	cccaagtcac	180
tttaccceaag	taagtaatta	ggggaaagcc	tgagtcttgt	accacctgtt	catttgggga	240
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<211> 273

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<213> Homo sapiens

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aaataaggca ggcacttgtc ccttcaggga gggacttgtc cctcactggg aggtttgggg 180  
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<213> Homo sapiens

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attgaataga aataatggct tttgaaaatc gcacaaagca ggccaggcac ggtgggtcac 240  
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tttgaggngn ccattggnca ctgcttnanc tttgttttgg caaccctntg cccnaagtct 240  
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atgcagacac	acacatgcag	acaacacgca	gacacacaca	tgcaggcact	cacatgcagg	240
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<210> 27

<211> 300

<212> DNA

<213> Homo sapiens

<400> 27

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<213> Homo sapiens

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 ggcttcatg cctttctgaa aaatatgaca gtgatggtgt ctgggaccct gagaagtggc 180  
 atgcctctct ctaccagct tcagggcgga gctcaccagt ggaaagtctg aagaaagagt 240  
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 aaaaaggaat tgtacagtct attgttggtc aaggctatca tcgtaaaata gttttggcat 180  
 cacagtctat acagaatact gtttataatg atgggcagtc ttcggccatt cctgtagcca 240  
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 acctggatga gcaggatgct gagggccgcc tggtagcgg catcattcgc attattacc 180  
 gaaagagccg tgctcgccca cagacctcgg agggtcgttc aactcgggct gctgccccaa 240  
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 gcttcttcac ccagacacca aggtatgaga tggccctgcc aagtgtcggc ctctcctggt 180  
 aaacaaaaac attctaaagc cattgttctt gcttcatgga caagaggcag ccggagagag 240  
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<210> 37

<211> 300

<212> DNA

<213> Homo sapiens

<400> 37  
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 gcacgtcctg gaaggactcc aggaggtcca ggaggaagat gttcccttcc agaggaatat 240  
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<210> 38

<211> 300

<212> DNA

<213> Homo sapiens

<400> 38  
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 cccaaacgct gcctcttggg gacagactca gccaaaacc ccttccttct gtctctggag 180  
 acccttgagc ttggggaaat atggaggggt gtgtgtctgc aatcaaggcc tctgcagctc 240  
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<210> 39

<211> 300

<212> DNA

<213> Homo sapiens

<400> 39  
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gggacttg	ggcgcacct	tggtttgccc	agggccctc	ctgcaccacg	ggccacatgc	240
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<210> 40  
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 <212> DNA  
 <213> Homo sapiens

<400> 40						
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aagtactatg	cagagctgtg	tgccccacct	gggaacagtg	atcctgagca	gctgaagaag	240
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<210> 41  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 41						
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gaaagtcttc	cccagtccaa	ggagcagtcg	tgtctgacct	acattgggct	tttctcagaa	240
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<210> 42  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 42						
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cagcaccctc	aaaacagagt	tcacccaggg	catgatctta	cctacaatga	atggagagtc	240
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<210> 43  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 43						
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tgtgggccat	tatgcttcct	atatcaagcg	ggaagcaaat	gggcaaggcc	acttccaaga	180
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<210> 44  
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 <212> DNA  
 <213> Homo sapiens

<400> 44  
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 aaaggtggat cctacatgtg ccataggtct tattgttaca ggtatcgctg tgctgctcgg 180  
 agccagaaca cacctgatag ctctgcttcg aatctgggat tccgctgtgc agccgaccgg 240  
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<210> 45  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 45  
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 tctcacacct ggcgagctgt ggcattgctt taaacagagt tcatttccag taccctccat 180  
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<210> 46  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 46  
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 cagtgcaccc tgctttaaga aaatgaactt atgcaaatac acatccacag cgtcggtaaa 240  
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<210> 47  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 47  
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 aaagtggatg aaaagggcct tataattaaa agaaacaaga caggactcag aggtgtgaaa 180  
 caaatattat gcatggtgaa ttacaatgag ttgggggtat tctgtagccc taaagtacaa 240  
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<210> 48  
 <211> 300  
 <212> DNA



<213> Homo sapiens

<400> 48

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agaccgccc	cccaacgcca	ctctaccccc	ctgctttgaa	ctatgctttg	agaaatgagc	180
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<210> 49

<211> 300

<212> DNA

<213> Homo sapiens

<400> 49

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atatgctcga	tggatagcat	tcactggaac	cactatgaga	agattatagg	aaaaacacca	180
agactagagg	actctgggtt	ccttttatgc	aaagtcaact	cttctgggtc	acagttaccc	240
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<210> 50

<211> 300

<212> DNA

<213> Homo sapiens

<400> 50

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taacctcagg	tgatccacct	gccttggcct	cccaaagtgc	tgagattaca	ggcgtgagcc	180
accgcgcctg	gcctgattgg	ttttttaaca	tgatttttct	ctaagcttaa	ataccacaag	240
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<210> 51

<211> 300

<212> DNA

<213> Homo sapiens

<400> 51

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gagctggtac	cagtatctca	gagcctccgt	ctcctatcag	tccgtatgct	tcagaaagct	240
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<210> 52

<211> 300

<212> DNA

<213> Homo sapiens

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 aatttgtttt cctttgtgga tgaagtggga gtaagacttg ttgctgtgag gattagatga 180  
 agtggctagg atatggacac actttacttg aattggaaaa caagccatgt atccctaatac 240  
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<210> 53  
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 <212> DNA  
 <213> Homo sapiens

<400> 53  
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 agtcgttgcg aagccctgtg tttcagctca ttgtgattaa ccctaagacg actctcagcg 240  
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<210> 54  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 54  
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 cttacgtaac aatagaacat ttgtcaaaat taagaaatta accttgatat aataactaact 240  
 aaagtagaaa gtttaaaaaag tagagatttt agtccttttca ctaatgtcct tttactgttc 300

<210> 55  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 55  
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 gtgtgagaag ccacggaagg gcttcacagg gcagatgcca aggccagtgg gcccgggaca 240  
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<210> 56  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 56  
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aatcagatta	tttcattcct	cagcaaacgg	agatcgatcc	gaaaagtgga	aatatgagct	240
cttcttttgg	gttgccatat	ggaccctgag	agaaagaact	ttaatttttt	ctcttggaact	300

<210> 57  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 57						
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tgtcttttga	nccttggtnt	ggngccttgc	ctanatgtat	ntnntntnnn	tntnntnatt	180
tnnnnnnntnn	ntnnnttct	nttntaaat	tgnttnnaan	ttntntnann	ttnttnnatt	240
nnnnnnnnnn	ntantgtnt	gnattgtat	nnatca			276

<210> 58  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 58						
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aaaaccatta	taccaagtta	ctatccttgc	caaaaccccc	agtaactgcc	aatctcactt	180
agaataaaat	cgggactcct	gtgaagcaca	gcataaactg	gccactgcct	atgcagcaac	240
ctcatcttta	cgttttctgc	ccttgctcac	tcccttcacg	cgcggttatt	cttcttgatg	300

<210> 59  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

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ccattatacc	aagttactat	ccttggtcaa	acccccagta	actgccaatc	tacttagaaa	240
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<210> 60  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 60						
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gaaataaggc	aggcacttgt	cccttcaggg	agggaactgt	ccctcactgg	gagggttggg	180
gttgaccttg	gctccagcag	agataccag	cctggcgttg	aaggggcagg	tctgagctta	240
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<210> 61  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 61  
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 ccatcttccc ctgcaaggag tngggcaaag tcttcttcaa gatcaaaagc cgaaatgcac 180  
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<210> 62  
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 <212> DNA  
 <213> Homo sapiens

<400> 62  
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 acagatgcac agaataaggt taaaaattgc cacgttgcta cagatgaaag ggtctcaaac 240  
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<210> 63  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 63  
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 <212> DNA  
 <213> Homo sapiens

<400> 64  
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 agagcaccag acatctgcct actctctcc acgtgcaggc caagagcact gaagacaccc 240  
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<210> 65  
 <211> 300

<212> DNA  
<213> Homo sapiens

<400> 65  
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<210> 66  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 66  
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<210> 67  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 67  
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<210> 68  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 68  
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<210> 69  
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<212> DNA  
<213> Homo sapiens

<400> 69  
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cttcatcatt atgggtgtgt attggaggag gatcaccatg atgtcccgac cccagtgct 240  
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<210> 70  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 70  
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<210> 71  
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<212> DNA  
<213> Homo sapiens

<400> 71  
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aaggcagcac aagtgtgcaa acagctatgg aaagtgaact cggagagtct agtgccacia 180  
tcaataaaaag actctgcaaa agtacaatag aactttcaga aaattcttta cttccagctt 240  
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<210> 72  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 72  
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aacagatgct tgatgttgta gaaactggga catatagata ccaagcaaaa ttataagaaa 180  
cctataagggt gttcaatacg cttgtgtttc caaaattcac tgtacatgat cagtttggtg 240  
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<212> DNA  
<213> Homo sapiens

<400> 73  
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agaataaaaa	ggatcttacc	acctttatca	tgaggggtggc	tttgctctct	ccattccaag	180
ttgttctctg	ttctagaaag	cagatgtagt	agacatctac	tgtttttgcc	taaacagaat	240
ccctttttcc	tttttttggt	aaaagtactc	atccctaata	ttacattggt	ctggaaggac	300

<210> 74  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 74						
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tgtttatagg	ttactttgaa	agtaaaatat	actatgtctt	ggttttgagg	atattggata	120
caaaactctc	ttccttttagg	gctactgaga	cttgattcct	gatcatcaga	aatttcacca	180
gaaacaactt	gcttccaata	taccaatttc	tatatgaaga	attcatggag	agtgtactgg	240
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<210> 75  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 75						
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cacaatacgt	gtacacttga	ctgtgaagtg	gctgtgagag	tgggtggaga	gttcttcttt	120
gaccctcagc	ctgcggatgc	ctctagaaac	ctcgtgttga	ttgcaggagg	agtcggaatt	180
aacctctctg	tttccatcct	gcggcacgca	gcagatctcc	tcagagagca	ggcaaacaaa	240
agaaatggat	atgagatagg	aacaataaaa	ctattctaca	gtgcaaaaaa	taccagcgaa	300

<210> 76  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 76						
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aggtgatatt	aaaattgaag	tcttctgtga	gaggacaccc	agaacatgtg	agatggagtc	180
tcgctgtgtc	ccccaggctg	gagtacaatg	gcgcgatctc	ggctcactgc	aacctccgcc	240
tactgggttc	aagcaagtct	tctgcctcag	cctcccagaga	actgcaagag	gaggcaactg	300

<210> 77  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 77						
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gagacagaga	gcaagtaagc	tgtccctttt	aactgttttt	ctttggctctt	tagtcacca	120
gttgacacac	ggcattttct	tgctgcaagc	ttttttaaat	ttctgaactc	aaggcagtgg	180
cagaagatgt	cagtcacctc	tgataactgg	aaaaatgggt	ctcttggggc	ctggcactgg	240

ttctccatgg cctcagccac aggggtcccct tggaccccct ctcttccttc cagatcccag 300

<210> 78  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 78  
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aacgcatgac cacagatatc aatgcactga agcggcagta ctctcgaatt aaaaagaagc 120  
aacagcagca ggttcacacg gtgtacatca gggcagacaa agggccagtg accagcattc 180  
tcccgtctca ggtaaacagt tctccagtta taaaccacct tcttttagga aagaagatga 240  
aatgactaa cagagctgcc aagaatgctg tcatccacat ccctggtcac acaggaggga 300

<210> 79  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 79  
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gatcaggctg aatacgacgc catgttgctg gagcacgctg gagaggccat ccctgccttg 120  
gcagccgcgg ctggggggaga ctcttttgcc ccattctttg ccggtttcct gccattattg 180  
gtgtgcaaga caaaacaggg ctgcacagtg gcagagaagt cctttgcagt ggggaccttg 240  
gcagagacta ttcagggcct ggggtgctgct cagcccag 278

<210> 80  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 80  
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tgagagcagc ccagaacccc tggacaacat cttgttggca gcctttgagt ttgacatcca 180  
tcaagtaatc aaagagtgca gcatcgccct gagcaactgg tggtttgtgg cccacctgac 240  
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<210> 81  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 81  
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agcacctcct cggcacacac gacttcagcg ccttccagtc cgctggcagc ccggtgcoga 180  
gccccgtgcg aacgctgcgc cgggtctccg tttccccagg ccaagccagc cccttggtca 240  
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<210> 82



<211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
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 gagtgtctgc ccctcggccc tcaggggtggg gcacttagca ccagaaggg accaaaagca 180  
 gggcatggcg gtgcagagga gtttgggagg tgtaaacagc cccatgcacg tggaggagga 240  
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<210> 83  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 83  
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 agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata attttggcca 120  
 gttaggaaat ggcattctcat tgttttcatt ttaatttgcg tcagcctgat tactcattga 180  
 aacttgtgag gttgagaaac ttttcttaag cttattggcc attcaagttt cctcctttat 240  
 gaaatggttg ttcattgtcat ttgctcattt tt 272

<210> 84  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 84  
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 taaattttac tggcaggtgt atggttggtg gagggttcct agtgagttgg gggacctggc 120  
 aatagagctg cttggttgga ggaagtgaag ctggccttagt accagcagct gatctcttcc 180  
 acgtgctgct gctttttttg ccactctgat actaaaccag agaaagctgc aggtggataa 240  
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<210> 85  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 85  
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 cagcactgat ttcccattag cagttattat ttcctggcca tttcttcctg aagggtttgt 180  
 ggttaaacct cctgtcctca atattttatc agcagtaggg ctgtcattct tctggttatc 240  
 aacctctaca ttatgaagta aggttcaacc cttctgcttt tctcaggccc ccaaaacggg 300

<210> 86  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 86  
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agaatagaaa catccagaat gctcctcccc atcccccaat cccagacagc aattatgtca 120  
gccctgtaag gcattgcctg ctcttgaccc tttggcccat ctttttattt ttaaaaaatt 180  
cccatgtcac agatgccctg tctatgcaga ggggtggcgtg ggatgggtga ccactaagtt 240  
taggctgggtg aagggtgggtga gcccttctga ggccctgata gaactttcca ggagttcatg 300

<210> 87  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 87  
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gccgtgcagc tgggctccct tctcgtccgc ggccctacca ctctggtttt agtcaacagc 120  
gcatgtggct tcccctggaa gacgagtgat ttcatgccct ggaatgtatt tgacgggaag 180  
ctttttcatc agaagtactt gcaatctgaa aagggttatg ctgtggaggt tcttttagaa 240  
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<210> 88  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 88  
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gcattactgc tatgtcagta aaagaagtc ttcaaagctt agttgatgat ggtatggttg 120  
actgtgagag gatcggaaact tctaattatt attgggcttt tccaagtaaa gctcttcatg 180  
caaggaaaca taagttggag gttctggaat ctcagttgtc tgagggaagt caaaagcatg 240  
caagcctaca gaaaagcatt gagaaagcta aaattggccg atgtgaaacg gaagagcgaa 300

<210> 89  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 89  
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ctgcacccct ggaacctccc accatcgtca caactgtagt ctcatttgca gtggagaaaa 120  
gaaccgatg tcccacagcc agatatacac ccagctccat gccagccctt catgtttacc 180  
ttttgctttg ttaattacat gtcagactcc tagaggcct ccagactaat aggaagcatt 240  
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<210> 90  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 90  
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tgatcccagg	cttagcacac	gattgcatgg	catccccctt	agccacttca	accactgcag	120
acatccagga	agctggactc	tctctcagt	ccctccagac	ttctggccac	cacagaatga	180
aaacccatt	ttcaactgag	ctatctttgc	tccagcctga	tactccagac	tgtgctggag	240
atagtcatac	cccactggct	ttttccttca	ccgaggactt	ggaaagttct	tgtttgctag	300

<210> 91  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 91						
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atttcagact	tggaacatg	cttcaattct	aattcagcaa	cattatcgaa	catatagagc	120
tgcaaaattg	caaagagaaa	attatatcag	acaatggcat	tctgctgtgg	ttattcaggc	180
tgcatataaa	ggaatgaaag	caagacaact	tttaagggaa	aaacacaaaag	cttctattgt	240
aatacaaggc	acctacagaa	tgtataggca	gtattgtttc	tacccaaaagc	ttcagtgggc	300

<210> 92  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 92						
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tattcgccaa	cagtgtgttg	aatatgtcac	atccattttg	cagtctctct	gtgatcagga	120
cattgcactt	atcttaccaa	gctcttctga	aggttctatt	tctgaactgg	agcagctctc	180
caattctcta	ccaaataaag	aattgatgac	ctcaatctgt	gactgtctgt	tggtacgct	240
agctaactct	gagagcagtt	acaactgttt	actgacatgt	gtcagaacaa	tgatgtttct	300

<210> 93  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 93						
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ggtactaaaa	agaggtccta	cccacacctg	cctcacactt	ctcctttcca	aggctgcctg	180
agtttgagg	ggcttgggtg	tgtgtgaaca	agggccctgc	attgtctagg	cctgcagttc	240
ccaggcttgg	gttcaactttc	accatgcatt	ggcaaaacta	gaaaagtaag	cttgtgacaa	300

<210> 94  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 94						
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ggatgtaacc	actccttgg	gagagaggga	actcctcacc	aatcccattt	gacaaaggct	120
aggcaatctt	cattctgctt	ggcttttagtc	attcttgtca	ttgggctgca	gaagaaaaac	180
aactttgctg	ggtgatccca	ctgccttgat	ttcacctcgg	agcgaggctg	ggccatgtcc	240

aagtcttatg aggtcaccct gactagaaaa aattgaactc acctacaaat agtctgaaag 300

<210> 95

<211> 300

<212> DNA

<213> Homo sapiens

<400> 95

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caggggtgtg	ggcccataca	cttcaaagac	cagagccctg	caactgggaga	gtgtctcttg	180
cccaggctgg	gaatcacctt	tcgaggccct	tcagactctg	gcggggcttg	ctgtggcctc	240
cctccagcta	gtggtgtggc	tgagcagact	ccaggggccag	ggccagtcc	cttctccct	300

<210> 96

<211> 300

<212> DNA

<213> Homo sapiens

<400> 96

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gagacagagg	gcaaggacca	cggccttgaa	ctcagcatcc	acaggacgcc	catcttgag	180
gattttgagc	tcgaggaggt	gtgccagctc	ccagaccagt	cgctcccag	gaacagcatg	240
cctaaggccg	aggaagcctc	ttcctgggga	cagtttggtt	tgagtccag	gaagagagtc	300

<210> 97

<211> 286

<212> DNA

<213> Homo sapiens

<400> 97

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tcacncnnnn	nnnnnnnnnn	nnnnnnnagg	cctaggcggg	tggatcacia	ggtcagcagt	120
tcaagaccag	cctgaccagc	atggtgagac	cctgtctcta	ctggaaatac	aaaaaaattg	180
gctgggagag	gtggcaggca	cctgtggtcc	cagctacctg	ggaggctgag	gcgggagagt	240
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<210> 98

<211> 300

<212> DNA

<213> Homo sapiens

<400> 98

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atttaaaaa	ccttccagtt	aatagagctt	ttgttattat	attataattt	tgtaaaccac	120
ctttgttttt	cccactttta	agccacaggg	tcgactcatg	gatgatacct	ctattgctgc	180
tgcatgatgt	tcaagaccgg	cccttggtctg	ttgttacaga	gatgttgggc	agagctatgc	240
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<210> 99

<211> 300  
 <212> DNA  
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<400> 99  
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<210> 100  
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 <212> DNA  
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<400> 100  
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 <212> DNA  
 <213> Homo sapiens

<400> 101  
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 aattaggcat ctttttgtgt gattatttgg taaatgtcca tatccctac tagcctataa 180  
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<210> 102  
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 <212> DNA  
 <213> Homo sapiens

<400> 102  
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<210> 103  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 103  
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<210> 104  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 104  
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<210> 105  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 105  
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<210> 106  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 106  
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<210> 107  
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<212> DNA  
<213> Homo sapiens

<400> 107  
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gcttacagcc	ccacctcacc	atcaagcgct	gagccaatgc	gggtgtggct	ggccctgagt	240
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<210> 108  
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 <212> DNA  
 <213> Homo sapiens

<400> 108						
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tgccgcagct	ggcgccagccc	acgctcatga	tcgacttcct	caccgcgcgc	tgcgacctcg	180
ggggggccct	cagcctcttg	gccttgaacg	ggctgttcat	cttgattcac	aaacacaacc	240
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<210> 109  
 <211> 300  
 <212> DNA  
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<400> 109						
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attgggcctt	ggaagaagaa	cagccattca	aatagataga	attgtggtag	caaaggcata	120
gaggtaggaa	agtatagatc	tccagggaca	gtagtcatgg	ggttggggca	ctgttggaat	180
ttaaggtttg	aaggatatat	tggagcccct	tgaatacgtt	aacaaggcac	accttgggca	240
gtggagagtt	atcagagtgt	ttgaaaagga	gggttattga	gtaaataaat	agactgggtac	300

<210> 110  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 110						
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gctgtggccg	tgggctcagg	tggcagctat	ggagccgagg	atgaggtgga	ggaggagagt	120
gacaaggccg	cgctcctgca	ggagcagcag	cagcagcagc	agccgggatt	ctggaccttc	180
agctactatc	agagcttctt	tgacgtggac	acctcacagg	tcctggaccg	gatcaaaggc	240
tcactgctgc	cccggcctgg	ccacaacttt	gtgcggcacc	atctgcggaa	tcggccggat	300

<210> 111  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 111						
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tgetctgect	tccctgggtc	ccaactgecca	tatctgtgga	ctgccccttc	caaagacccc	120
tggggggggg	ggggnnntcc	ttctannccn	ntacnctatg	tgtttaatnn	ncntantnct	180
ttantantat	ttncantn	tnntnatatn	ntnnanana	nnctncttta	nnnacattat	240
ttantntang	ngatnntacc	tnntnnaana	g			271

<210> 112  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 112  
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 ctccctgggc aagctcttta tccaaagatt cctcagtgag ccttatagag ttgctgagag 120  
 aattacattt gttcatgatg tcaagtgtct ggtatgtagc taatgcttat tgaacacata 180  
 gtaattttatt gaataattgt catgatcact ggatgagata tagccactgt ggaggtaggc 240  
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<210> 113  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 113  
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 acatgctgatt tgaagacacg ttttatggag cagacattat ccaaggggag agaaagagac 180  
 aaagagtgtc gagctccagg ttttaagaatg aatatgtggc cgaccctgta taccgcactt 240  
 ttttgaagag ctctttccag aagaagtgcc agaagagaca gtagtctgca tacatcgctg 300

<210> 114  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 114  
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 gcttcaagaa aagaagatac atatgtacat tttaatgtgg acattgagct ccagaagcat 120  
 gttgaaaaat taaccaaaag tgcagctatc ttctttgaat tcaaacacta caagcctaaa 180  
 aaaaggttta ccagcaccaa gtgttttgct ttcattggaga tggatgaaat taaacctggg 240  
 ccaattgtaa tagaactata cacgaaaccc actgacttta aaagaaagaa attgcaatta 300

<210> 115  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 115  
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 gacatggcag cgggttagctc ctggggctga gccagaagca tcaactgcag gaaagtctct 180  
 gcttacctgt ctggctcagc ttgggcaagg gctgggccat atgtgctcag ggacgtgctt 240  
 ctcttgtaag gcaggaggat anaanaggac cannaanggn gggagctg 288

<210> 116  
 <211> 300



<212> DNA

<213> Homo sapiens

<400> 116

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ctggaaaaga	gcagtgagag	gagtcgggga	gatgtgtgat	gcatgtgaag	caacattgtt	120
taacattcac	tgggtctgcc	aaaaatgtgg	atttgtggtc	tgcttagatt	gttacaaggc	180
aaaggaaagg	aagagttcta	gagataaaga	actatatgct	tggatgaagt	gtgtgaaggg	240
acagcctcat	gatcacaaac	atttaatgcc	aacccaaatt	atacctggtt	ctgttttgac	300

<210> 117

<211> 300

<212> DNA

<213> Homo sapiens

<400> 117

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cacaaggaaa	ggaaagaaga	tctgggtggaa	agctcagggtg	gcagcggact	ctgactccac	120
tgaggaactg	cctcagaagc	tgcgatcaca	actttggctg	aagcccttgc	ctcactctag	180
ggcacctgac	ctggcctctt	gcctaaacca	caaggctaag	ggctatagac	aatggtttcc	240
ttaggaacag	taaaccagtt	tttctaggga	tggcccttgg	ctgggggatg	acagtgtggg	300

<210> 118

<211> 300

<212> DNA

<213> Homo sapiens

<400> 118

agaacgttct	caggttgacc	agctgctgaa	tatttcttta	agggaggaag	aacttagtaa	60
gtcattgcag	tgcatggata	acaatcttct	gcaagccctg	gcagcccttc	agacagctta	120
tgtggaagtt	cagaggctac	ttatgctcaa	gcagcagata	actatggaga	tgagtgcact	180
gaggacctat	agaatacaga	ttctacaggg	attacaagaa	acatatgaac	cttctgagca	240
cccagggttg	gcatagaaat	ggtaccctt	gttcaaaatg	aacaagaagc	cttagatttg	300

<210> 119

<211> 300

<212> DNA

<213> Homo sapiens

<400> 119

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cagaaagtgg	gtttgaggca	tgagccacca	cgctggcca	aaggatttaa	tgaattaatg	120
gatgtacagt	gctggggctg	gtattctagg	gcctgcattg	agactcacat	tttgccatca	180
aaagcctttt	aagagggtga	ggttgcggtg	agctgacatg	gtgcoactgc	actccggcct	240
gagtgacaga	gtgagactct	gtctcacaaa	aaaaataatg	ccctttaaat	aatgaataat	300

<210> 120

<211> 273

<212> DNA

<213> Homo sapiens

<400> 120  
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ttgttttaaag caaagcaaga aacttctgaa gaaatggaac aaagtggaga agcctcagga 120  
aagcccaaca gagagtgtgc accccagatt ccttgtagta ctctattgc tactgaaagg 180  
acagttgcac atttgaacac tctgaaggac cgtcaccag gtgatttgtg ggcccgcatg 240  
cacatctcat cccttggaat atgctgcagg aga 273

<210> 121  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 121  
agaacgttct caggttgacc agctgctgaa tatttcttta agggaggaag aacttagtaa 60  
gtcattgcag tgcattggata acaatcttct gcaagccgt gcagccctc agacagctta 120  
tgtggaagtt cagaggctac ttatgctcaa gcagcagata actatggaga tgagtgcact 180  
gaggacccat agaatacaga ttctacaggg attacaagaa acatatgaac cttctgagca 240  
cccaggtttg gcatagaaat ggtaccctt gttcaaaatg aacaagaagc cttagatttg 300

<210> 122  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 122  
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ccagaatgat acacggatca gtgcagaagt tcatcaggct ctcgacctt agggctgttg 120  
gagaaggctt cagcagcaga actgatggtg aaggctcgtg ttctccatcc tcaactttct 180  
ttgcttcgat catacacaag aatacatttg gaagggcaaa aaaatgaaca ctgtcgttca 240  
ttgcagccgt gttttgtgac acagatgcac agtctgctgt gaagaccttc tctcaagtgg 300

<210> 123  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 123  
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aagacttgac ggctttggga ttttgtttta acttttataa taaggatcct aagactgttg 120  
cctttaaata gcaaagcagc ctacctggag gctaagtctg ggcagtgggc tggcccttg 180  
tgtgagcatt agaccagcca cagtgcctga ttggtatagc cttatgtgct ttctacaaa 240  
atggaattgg aggccgggag cagtggctca cgcctgtaat cccagcactt tgggaggcca 300

<210> 124  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 124  
catgctggcc agcatccctg cctgtgcaag ctctggatga gctgtgagcc cctgccaccc 60  
acacccccac tccttgccag cctggcctca gggcctctga tccatgtgca ctggagagga 120

gatgactgac	agggccactg	gggcatttcc	acgttaacag	cagctgccac	tggaacaaaga	180
agtgactcgc	caatggaggc	atctcagatg	tgggcccagg	agtctgggga	gctactttga	240
acagggcctat	ccattcattg	ttccacccaaa	ggctatggag	cccacccacc	atgtgctgga	300

<210> 125  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 125						
ggtaaatg	ttgaattatt	gtattgaagc	ttgagctgta	gctaaaagta	atthaggttt	60
cccctaagat	gttattatgt	tagggacata	acacttttgg	gaggttggtg	tgggagatgg	120
ttgatttagg	ttttcaaaag	ctagaaataa	aattttacatg	ccttagattt	cataaaattc	180
tgctctaatt	gggtggaagg	tgctgtatct	aacttggtgt	cctcctaagg	ttatgtccta	240
ataactattc	ttttaggagt	atacttctac	tttatagaag	gttgcttttc	tttttaattt	300

<210> 126  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 126						
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aactccaaat	caacagtatt	ttcaacaaga	aatgtgcaat	tgaaatcaag	tgctgtttta	120
gtgcagctag	gattttocaca	ggaagacact	tgacgtgaac	agagttatgg	agcagcaaaa	180
acacagatct	atgtggaaaa	agagaaaaaca	tatgcgttgt	atgttgcttc	aattataaaa	240
taccatctct	tcaaagggtg	ttctaaatta	caaaggactt	tgatttctag	gtagattctg	300

<210> 127  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 127						
ggtgattccc	atgctgaaca	gtttgatctc	ctgccagagt	gtcggggccac	aaactgggca	60
gcacatcagg	atcacctggg	ggccttcaaa	aatcaaaaat	ccacccccag	gccatgccct	120
ggacccactg	caccaggaca	agaaatccac	cccaggcctc	ttcccagacc	cactgcacca	180
ggacaagaaa	tccaccccca	ggccacgccc	cagaccactc	gccctaggat	gtgggggtgg	240
gaaccagggtg	gtgctttgta	aagacgtgca	ggtggtaacc	ccaggccccc	acgctcggaa	300

<210> 128  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 128						
tgagctggga	gaaggggaga	aagtttgtga	agaggagatc	ggtgacctgg	gctccttatg	60
tgcttgaaag	agtttgagtt	tcctgttaac	tccaaatcaa	cagtattttc	aacaagaaat	120
gtgcaattga	aatcaagtgc	tgtttaagtg	cagctaggat	ttccacagga	agacacttgc	180
agtgaacaga	gttatggagc	agcaaaaaca	cagatctatt	tggaaaaaga	gaaaacatat	240
gcgttgattt	ttgcttcaat	tataaaaatac	catcctotca	aaggtgggtc	taaattacaa	300

<210> 129  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<400> 129  
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 ctccactgag gaactgcctc agaagctgcg atcacaactt tggctgaagc ccctgcctca 120  
 ctctagggca cctgacctgg cctcttgect aaaccacaag gctaagggct atagacaatg 180  
 gtttccttag gaacagtaaa ccagtttttc tagggatggc ccttggctgg gggatnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnaggaagat accatttctt gacgg 285

<210> 130  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 130  
 ccggacgcag gccctcgggc aggagcatct ggcagagtgg ggggcgtggc aggcaccctc 60  
 ctttgcaggg cgaggtgggg cctctgcagc catcctggac aggccggggg ggcggcagct 120  
 ttgcccacgt ggaagcgggg tgggtctcac ttgcgtgggt gcccttgcc ccactttgcc 180  
 tgctgcggcc tggggagcag gcgctgggtg gtggttctgc ctgcttctg ctcgttcccc 240  
 gggcatgcgt gggcagcggg gggcatgcgt gggcagcagg gggccgtggg cagcgggggc 300

<210> 131  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 131  
 gatctctata ctagtgaaca gtgccagttc cacactttgg acttagaact gttctctagt 60  
 tattgtaaca cagaatactg tcaatcccta atttacttaa tggacttat tggagtgagg 120  
 gctgatgaaa tacgcacagg agggaaatct actgtgttta ggcacaggca gcccagtggt 180  
 ataaggagat catattccaa aaggttgtca gttggttgtt tgcaacctgg aatgtatttt 240  
 ccttttagaga ccaggttatc catggtggtt aggcccttag agcagctgga aaagatgata 300

<210> 132  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 132  
 ctcccatgga ggtggtggga atggcaccga gaagtttgat gacagttatc taatggacta 60  
 gaggttggca aactttctgt aaatggccag gtagtaaata gttctgcttt tgaaggcata 120  
 tggctctctt cacctactcg aggctgaaag cagctataga caatacataa atgaatgagc 180  
 gtgagtgtgt tccaataaga aaaaaacatg gctgtttgct tcggccccag ggttgtagct 240  
 taccagtect gtaacagatc acagtttgct cttttggtca caaataactt aaccctccc 300

<210> 133  
 <211> 269  
 <212> DNA

<213> Homo sapiens

<400> 133

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gtccacagct	gtggtgagct	tcttgaggga	ggcaggggtcc	cgaatgcgca	agttgtggct	120
gacctacagc	tcccagacga	cagccatcct	gggcgcactg	ctgggcagct	gctgccccca	180
gctccaggtc	ctggagggtga	gcaccggcat	caaccgtaat	agcattcccc	ttcagctgcc	240
tgtccaggct	ntgcaaaaag	gctgccctc				269

<210> 134

<211> 300

<212> DNA

<213> Homo sapiens

<400> 134

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actgacaaca	atcctgaagg	cctgggattt	tttgtctgaa	aatcaactgc	agactgtaaa	120
tttccgacag	agaaaggaat	ctgtagttca	gcacttgatc	catctgtgtg	aggaaaagcg	180
tgcaagtatc	agtgatgctg	ccctgttaga	catcatttat	atgcaatttc	atcagcacca	240
gaaagtgttg	gatgtttttc	agatgagtaa	aggaccaggt	gaagatgttg	acctttttga	300

<210> 135

<211> 300

<212> DNA

<213> Homo sapiens

<400> 135

ggcgagcggg	aacagctctt	gaggagtga	actgcaggag	atgtgggccc	tgccaaagag	60
atggatgaga	ctgttgctga	gttcatcaag	aggaccatct	tgaaaatccc	catgaatgaa	120
ctgacaacaa	tctgaaggc	ctgggatttt	ttgtctgaaa	atcaactgca	gactgtaaat	180
ttccgacaga	gaaaggaatc	tgtagttcag	cacttgatcc	atctgtgtga	ggaaaagcgt	240
gcaagtatca	gtgatgctgc	cctgttagac	atcatttata	tgcaatttca	tcagcaccag	300

<210> 136

<211> 300

<212> DNA

<213> Homo sapiens

<400> 136

gactttctaaa	tatatcttgg	atataatagg	tgataagttc	tgtcaattag	taacatctga	60
aaaaacagct	ttgtcctggg	tgaaaaagga	tgccaaaatt	gcctggaaaa	gagcagtga	120
aggagtccgg	gagatgtgtg	atgcatgtga	agcaacattg	tttaacattc	actgggtctg	180
ccaaaaatgt	ggattttgtg	tctgcttaga	ttgttacaag	gcaaaggaaa	ggaagagttc	240
tagagataaa	gaactatatg	cttgatgaa	gtgtgtgaag	ggacagcctc	atgatcacia	300

<210> 137

<211> 300

<212> DNA

<213> Homo sapiens

<400> 137

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gcatcatcct tatgcttggt tacatctata atcttctatg aaatggtggt accaaggggc	120
gccaacacagc ttttatcccc attcttagag catattcttt attataatga ttatccaaca	180
tatttcttta attttaatac aaaaaatata tcattttaatt tttgttacat atgaacattc	240
atttttaaat gctcagcctc aagtgcaggc atttttgagt ggcttgatta catattcctc	300

<210> 138  
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 <212> DNA  
 <213> Homo sapiens

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gcaaaaaatt ccaacccttt tcttcccagt cattgaaaca ccaaaactat tataccggag	120
ggtgtaatag ttttgctgcc cagttgtggt aggccagtag tggcctcca agatgccc	180
gtcctaattc caggaacctg tcaaaattac cttgtatggc caaaggggct ttgcagatgt	240
aatgaagtta aggatctttc gccaggaaga ttatcccagc ttgttcagga gggcttgatg	300

<210> 139  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 139	
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ttttttctg gagctaaatc aaggaaggat tatcacgtgg cctcccttga atataatttt	120
gaagctgtga acagtaccat cagtaacatt ttatggacag ctctgatggt ttttatacca	180
cggcactctt cttacctttg ggggaagcta tctggagtta tgactgatgt gtaaagtgg	240
ttactgttag aatcctgggt tgctaggatt ctgggagagt cactttcagg aagttacctg	300

<210> 140  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 140	
gctgcccagg cagttttatg gcctcctggt tgtgtgcctt cacacccgcc tacagcccca	60
cctcaccatc aagcgctgag ccaatgcggg tgtggctggc cctgagttcc tgagtcagct	120
ccttgccagg gccagagctg gtaacagcgg ggcagcagg tgggtagcct ctaccagcca	180
gggcagtccc tgaggggcca gcaggggggc tgactgcta gtggctcaac ctctgaacc	240
caccactcc cagcgatgct acccagaacc ccaacggcat gaatcctgca cagtgcggg	300

<210> 141  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 141	
cccaactta tcgggggtgc cagaggcaga gtagacaagc cttagtggcc gccatttggt	60
gaatatctac tgtgcgcaa gcagtgcgtc acaactttat gaagtaggta ttattatcat	120
ccccatttta caggtgaaga aactgagtct ctgagagacc aacttttcca aggtcacaca	180

gaggtgggat	ccagcccaact	tccgtctgac	cccaagcccc	tgctgttaac	ccctgcccc	240
ttgtggggag	gttccggccc	actctggagt	tctctggtct	gcgtcagtc	tcaggagaag	300

<210> 142  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 142						
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ctccccaggc	cctgtgacct	ccctcctgtc	ttgcagctcc	tcctggcacc	agtccccagg	180
gctctcctgt	tggtagtctc	tgcttttctt	cttggaatt	cctcgtggac	ctcgagatct	240
ttaccctaaa	atagttctgt	tgaatttcac	cctggcaatg	taaattgata	gcttatcttc	300

<210> 143  
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 <212> DNA  
 <213> Homo sapiens

<400> 143						
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acaccatggg	ctatggcaac	accttctca	ccatccttcc	atgaggacct	cgggagagag	180
tggacatgaa	accctttgtg	ctctgaagca	ttcaacagaa	gctttctggt	tctgtgccta	240
tttctttggc	acttgagcgt	gtttgcaggt	tcattacaca	catgatgaaa	gctctggccc	300

<210> 144  
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 <212> DNA  
 <213> Homo sapiens

<400> 144						
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taagcacctg	tcacagtcca	gccttctgct	ggagcacttg	ctcagctcct	gggagcagat	120
tccaagaag	gtacagaagt	ctttgcaaga	aaccattcag	tcctcaagc	ttaccaacca	180
ggagctgctg	aggaagggtg	gcagtaacaa	ccaggatgtc	gtcacctgtg	acatggcctg	240
caagggcctg	ttgcagcagg	ttcagggtcc	tcggctgccc	tggacgcggc	tcctcctggt	300

<210> 145  
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 <212> DNA  
 <213> Homo sapiens

<400> 145						
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tttgggtgct	tgcccaggag	ctggtgggat	ccgagggggc	ctacaaggcg	gccgtggaca	180
gcttctccca	gcagcagcat	gtgctggggg	ccgggggtgg	tcctggnccg	actcaagggg	240
annnnnnnnn	nnncncaacc	cccgtctggac	cccngaanc	tggcaagacc	ngctgcccct	300

<210> 146  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 146  
 tgactttgta cctggtccaa gctgttgggg aattgctgct gttgaccag gcaggagtct 60  
 gactagagaa caaactaagg ttgctgcaac aaacaaggac ctcttccaag aagggtccc 120  
 aggctggcg cagtgactca tgcctgtgat ccagcactt gggaggccga ggcgggtgga 180  
 tcatttgagg ccaggagtcc gagaccagct tggccaacat gatgagacc cgtctctatt 240  
 aaaaatacaa aaattagcca ggcgtggtgg cgctgtagt ccagctact caggaggttg 300

<210> 147  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 147  
 ggnaangcna nngnaggaga nagagaagna ncagtnnagn ccangaaac ccnntgaaac 60  
 ccttagaagn cagaggagn aaaggangaa aananggn ggangagaac nnannnggn 120  
 caaannaagg angannnta ggngngaaaa anaanaacaa anggggaaaa ngggaaaaaa 180  
 ggcganaaag gnaanannag nanaaggngg aananannnn annagaaagg ncaanaaaag 240  
 aagnacaaag aaaaangana anaagnaann annananga cagagacaag aagga 295

<210> 148  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 148  
 cgctgtgctt gagaccaacc tgacgggtac cttctacatg tgcaaagcag tttacagctc 60  
 ctggatgaaa gagcatggag gatctatcgt caatatcatt gtccctacta aagctggatt 120  
 tccattagct gtgcattctg gagctgcaag agcagggtgt tacaacctca ccaaactctt 180  
 agctttggaa tgggacctgca gtggaatacg gatcaattgt gttgcccctg gagttattta 240  
 tccccagact gctgtggaga actatggttc ctggggacaa agcttctttg aagggtcttt 300

<210> 149  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 149  
 agtgtcagtt ttctaatct cagtccaggt aggaattaag aaatatctca agtgttgatg 60  
 ctatccaagc atgttggggg ggaagggaat tgggtgccag aaaatgggac tggagtggag 120  
 aatatctttt cttttgagag taccctcagt ttatttctac tgtgtttat tgctactgtt 180  
 ctttattgtg aatgttgtaa cattttaaaa atgttttgcc atagcttttt aggacttggg 240  
 gttaaaggag ccagtgggtc ctctgggtgg gtactataat gagttattgt gaccacagc 300

<210> 150  
 <211> 300  
 <212> DNA



<213> Homo sapiens

<400> 150

tgtagacttt	atgtcagttc	tgtgtagact	ttatgtcagt	ttttgtcatt	atttgaaaat	60
ctattctgac	aactttttta	ttcctttgat	cttataagtt	aaagctgtaa	caactgaaat	120
tgcatggatc	aagtaagcat	agttttatcc	agggagaaaa	ataaaaggaa	gccatagaat	180
tgctctggtc	aaaaccaagc	acaccatagc	cttaactgaa	tatttaggaa	atctgcctaa	240
tctgcttata	tttggtgttt	gttttttgac	tggtgggctt	tggaagatg	ttatttatga	300

<210> 151

<211> 300

<212> DNA

<213> Homo sapiens

<400> 151

gcggggcccg	ccagcggaag	cccctgcgcc	cgcgccatgt	caaagaaaaa	aggactgagt	60
gcagaagaaa	agagaactcg	catgatggaa	atattttctg	aaacaaaaga	tgtatttcaa	120
ttaaaagact	tggagaagat	tgctcccaaa	gagaaaggca	ttactgctat	gtcagtaaaa	180
gaagtccttc	aaagcttagt	tgatgatggt	atggttgact	gtgagaggat	cggaacttct	240
aattattatt	gggcttttcc	aagtaaagct	cttcatgcaa	ggaaacataa	gttgagggtt	300

<210> 152

<211> 300

<212> DNA

<213> Homo sapiens

<400> 152

gatattcaca	cagtatgtat	tatattaacc	atatcacact	taagttatta	aattcagact	60
atttgtaact	tattgttata	gggcctgccc	tatggccttag	gatatttgag	taatcatata	120
tttaaagtaa	aaacttttgg	ctgggcacag	tggctcacac	ctgtaatccc	agcacttggg	180
gaagctgagg	tgggcagatc	agttgaggtc	aggagttcta	gaccagcctg	gtcaacatgg	240
cgaaccccca	tctctactaa	aaatacaaaa	attagctggg	cgtggtggca	cacacctgta	300

<210> 153

<211> 300

<212> DNA

<213> Homo sapiens

<400> 153

cagagaccag	ccttctccag	aggctgtcac	tgcaggagcc	gtgggcctgg	gaagacttgg	60
aagcggcctc	tctcaactgg	tttctgtctc	cgtggagctg	gaactgectg	cacttgcctt	120
cagagggagg	cacagtccac	ccagatccac	ctttccagca	agacccccag	tggtgcccga	180
gcctggggagc	acctctttgc	ttttcacacc	aaacccaaaac	tggcgagagc	ccctcctagc	240
caccagtgat	ccccaaagcat	ccagtacaga	accaggcatc	gagctagctc	cctgcacggc	300

<210> 154

<211> 300

<212> DNA

<213> Homo sapiens

<400> 154  
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 gtttagctag aaatctatgt atttatccct ttctattttt gcattcttct cccactattt 120  
 ttaaaaactc atttacagta gaaaccattc ttctttctcc caacagtatc ctttgccaag 180  
 accatgagaa cagtatggga gcatgttggt ggtcaggggt tcagaatacg cgtgatgtca 240  
 ctgagaatgt ttgctcacag tcaataattg tctttgtgga tgtgataatt ttggagatac 300

<210> 155  
 <211> 81  
 <212> DNA  
 <213> Homo sapiens

<400> 155  
 gatcattgtt aattagtgc atagtaacat ctgtagcagc tggtagtaa acctcatgtg 60  
 ggggaggtgt gggaggtttt a 81

<210> 156  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 156  
 ggcagcacia gtgtgcaaac agctatggaa agtgaactcg gagagtctag tgccacaatc 60  
 aataaaagac tctgcaaaag tacaatagaa ctttcagaaa attctttact tccagcttct 120  
 tctatgttga ctggcacaca aagcttgctg caacctcatt tagagagggg tgccatcgat 180  
 gctctacagt tatgttggtt gttacttccc ccaccaaact gtagaaagct tcaactttta 240  
 atgcgtatga tttcccgaat gagtcaaaat gttgatatgc ccaaacttca tgatgcaatg 300

<210> 157  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 157  
 ctggtgagga gtctttgcga gagcgaggag cagcgggttac tggaacaggt gcatggcgaa 60  
 gaggagcggg cccaccagag catcctgaca cagcgggtgc actgggcccga ggcgctgcag 120  
 aaacttgaca ccacccgcac tggcctgggt ggcatgctta ctcacctgga tgacctccag 180  
 ctgattcaga aggagcaaga gatcttcgag aggaccgaag aagcagaggg cattttggat 240  
 ccccaggagt cggaaatggt aaactttaat gagaagtgca ctcggagccc actactgacc 300

<210> 158  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 158  
 cgacagctct ccaataactca ggttaatgct gaaaaatcat ccaagacagt tattgcaaga 60  
 gtttaatttt tgaaaactgg ctactgctct gtgtttacag acgtgtgcag ttgtaggcat 120  
 gtagctacag gacattttta agggcccagg atcgtttttt cccagggcaa gcagaagaga 180  
 aatgtttgta tatgtctttt acccggcaca ttccccttgc cttaaatacaa gggctggagt 240  
 ctgcacggga cctattagag tattttccac aatgatgatg atttcagcag ggatgacgtc 300

<210> 159  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 159  
 agtaccacaga gttgagagga gttttttaac tgatttagcc aggtggcaat catgagtga 60  
 tggatgaaga aaggccctt agaatggcaa gattacattt acaaagaggt ccgagtgaca 120  
 gccagtgaga agaatgagta taaaggatgg gttttaacta cagaccaggt ctctgccaat 180  
 attgtccttg tgaacttcct tgaagatggc agcatgtctg tgaccggaat tatgggacat 240  
 gctgtgcaga ctgttgaaac tatgaatgaa ggggaccata gagtgaggga gaagctgatg 300

<210> 160  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 160  
 ctttgagcta ggataaaaat tgggtaaagg acatttgctt acctgcaaat gaatcactgt 60  
 ggaaatgtga tcttcccata tcatcaagaa acttgtttct tggatgaata ctgggagaat 120  
 aaaatgagaa ctctggagtg agctaaattg atcccaatta agtttttctg cttagcagac 180  
 agaaggtata attttttgac accctttccc acctggtgcc tatgctaggc ttgtntctgat 240  
 aacatccctc actnactnga tnntcacatn gnncttncnc tgangtccca tttt 294

<210> 161  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 161  
 cttcctcaaa gcatggttgc tgagtaccca gagttgagag gagtttttta actgatttag 60  
 ccagggtggca atcatgagtg aatggatgaa gaaaggcccc ttagaatggc aagattacat 120  
 ttacaaagag gtccgagtga cagccagtga gaagaatgag tataaaggat gggttttaac 180  
 tacagacca gtctctgcca atattgtcct tgtgaacttc cttgaagatg gcagcatgtc 240  
 tgtgaccgga attatgggac atgctgtgca gactgttgaa actatgaatg aaggggacca 300

<210> 162  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 162  
 gccccgtgtg gggagacgga cagcaccctc ctcatctggc aggtgccctt gatgctatag 60  
 cgctccctc ctccctcag agggcacagc tgcaggcctg accaaggcca cgcccggtc 120  
 togtgtcta ggacctgcac gggacttggt gatgggcctg gactctccag aaactacttg 180  
 ggccagagca aaggaaaacc tcttgtttta aaaaaatttt tttcagagt ttttggggag 240  
 gagtttttagg gcttggggag agggaggaca catctggagg aaatggcctt ctttttaaaa 300

<210> 163  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 163

gaccggctgg	gcctacaaaa	agatcgagct	ggaggatctc	aggtttcctc	tggtctgtgg	60
ggagggcaaa	aaggctcggg	tgatggccac	cattgggggtg	acccgaggct	tgggagacca	120
cagccttaag	gtctgcagtt	ccacctgcc	catcaagccc	tttctctcct	gcttccctga	180
ggtacgagtg	tatgacctga	cacaatatga	gcactgcccc	gatgatgtgc	tagtcctggg	240
aacagatggc	ctgtgggatg	tcactactga	ctgtgaggta	tctgccactg	tggacagggt	300

<210> 164

<211> 300

<212> DNA

<213> Homo sapiens

<400> 164

aaaatttata	ngtaatgaca	aatgacttat	cagtgttcat	catctgaaag	ctaagtgggt	60
cgttcaatca	ctttttcaaa	gttgatagta	gattgcatgg	tttcatgttt	cctcatattg	120
gtttattaat	tctatttaat	caaggaaaat	aacttcagat	tccataaagt	ttcagtttat	180
ttttagttta	ctactaggtg	agatagcaca	ttacatactt	ttactatcaa	atattatttt	240
agcagcttcc	catagtacca	aatgatttga	ttccctactc	tcatttttta	aagcatataa	300

<210> 165

<211> 300

<212> DNA

<213> Homo sapiens

<400> 165

ctggactctg	agtcgtcttg	gtcccaggag	ccagtagtga	aggcaacagt	ctgccacact	60
gtggacacca	gatcctggga	gctcctgggt	agcaagtga	atctctggga	tgtcagtga	120
gctgggtgaa	gaccagaggt	aaactgcaga	ggcaccacc	cccaccatgt	cccagggtgat	180
gtccagccca	ctgctggcag	gaggccatgc	tgctagcttg	gcgccttggtg	atgagcccag	240
gaggaccctg	caccagcac	ccagcccag	cctgccaccc	cagtgttctt	actacaccac	300

<210> 166

<211> 300

<212> DNA

<213> Homo sapiens

<400> 166

cttctgttga	ttggtttggt	ttaaagtacct	aagtactacc	ctttgactcc	ctaccaaag	60
ttcttttggt	ttttaaaaa	cttttatttg	tgacttactt	tcttgagaag	tgttcttaat	120
gaattgcata	aaatagtgg	agcagcttat	ttcttaagta	ctttattatt	tgtgctttac	180
catttcaggt	tcttatcttt	aacccttatt	tactcagttt	tccatctgaa	tgatcctatc	240
tctaaattaa	ggatttaata	aatgctgcaa	attgtccact	ttgcaaattg	tccaaaagct	300

<210> 167

<211> 300

<212> DNA

<213> Homo sapiens

<400> 167

gcgagatgaa	gctacactgt	gaggtggagg	tgatcagccg	gcacttgccc	gccttggggc	60
ttaggaaccg	gggcaagggc	gtccgagccg	tggtgagcct	ctgtcagcag	acttccagga	120
gtcagccgcc	ggtcgagccc	ttcctgctca	tctccaccct	gaaggacaag	cgcgggaccc	180
gctatgagct	aagggagAAC	attgagcaat	tcttcaccaa	atttgtagat	gaggggaaag	240
ccactgttcg	gttaaaggag	cctcctgtgg	atatctgtct	aagtaaggat	tccatatggc	300

<210> 168  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 168						
gtctgggcag	cctacgcttt	ccggataaaa	atggcagaat	gaaagaatta	tgagtggAAC	60
tagagaatag	gaaagacatg	aaccaacgcc	caaatgaga	aagaaggaca	tataaagaaa	120
aagacaaata	caagtgaaaa	aatataacta	atggattaac	gtccctgtcg	agtgacattt	180
tctgactatg	gaaatgatat	tagacaaaaa	gcaacttcaa	gtgggtttct	tatttgagtt	240
caaatgggt	cataacgcag	catagataac	ttgaaacatg	aacagcgcat	ttggcccagg	300

<210> 169  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<400> 169						
gagatctctg	ggatgtcagt	gaggctgggt	gaagaccaga	ggtaaaactgc	ggaggtcacc	60
accctacca	tgtcccaggt	gatgtccagc	ccactgctgg	caggaggcca	tgctgtcagc	120
ttggcgccct	gtgatgagcc	caggaggacc	ctgcacccag	cacccagccc	cagcctgcca	180
ccccagtgtt	cttactacac	cacggaaggc	tggggagccc	aagccctgat	ggccccgtgc	240
cctncattgg	gnccccctggc	tanttcancn	agncccnag	gtngagncca	aagcca	296

<210> 170  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 170						
gggtgttgga	gcagattgta	gttgatccac	agcaaagagc	atcaccaaag	ccattccagg	60
aggaactaga	tccaccactt	cctctgctgg	gcatgctcca	aaaatggttg	tggcttccag	120
agaggactcc	aaaagaaagc	acaaaaacta	gacagtggga	gggcataccc	aaaagccctg	180
agtttctgaa	aaaatattga	aagtttctat	ggtgaaatag	gaagttaatg	tgcttaggaa	240
gaaaaaagtg	gtaatgattc	aaggaaacat	aatcacacac	ggttttagtt	ttaatggaca	300

<210> 171  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 171						
atggaggcac	cagcaggtag	tggccccctgt	aagcagggcc	agagtcggga	caaagagcag	60
gagtgaagca	gccaaagagac	agaggaccag	gctggagcca	gtgggcacgc	aggagcctgc	120
ctgggaaaag	ccgggggggca	aggctggcat	gggaatgaac	acctgctggt	gacacctctc	180

tgagcttcag	ttcccttaac	tagaaaaata	gaacaggccc	ggtgcggtgg	ctcatacctg	240
taatcccagc	acttttggag	gctgaggcgg	gtggatcatg	aggtcaggag	atcaagacca	300

<210> 172  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 172						
ggcggaggag	cagaagctca	agctggagcg	gctcatgaag	aaccgggaca	aagcagttcc	60
aattccagag	aaaatgagtg	aatgggcacc	tcgacctccc	ccagaatttg	tccgagatgt	120
catgggttca	agtgtctggg	ccggcagtg	agagttccac	gtgtacagac	atctgcgccg	180
gagagaatat	cagcgacagg	actacatgga	tgccatggct	gagaagcaaa	aattggatgc	240
agagtttcag	aaaagactgg	aaaagaataa	aattgctgca	gaggagcaga	ccgcaaagcg	300

<210> 173  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 173						
gtctttccca	ttcacttctc	tagaaagctg	ccaagacaga	ggcagaaaga	aatggatgat	60
agttctgtca	agcacacttc	tgttctctta	gaacttagaa	gtgtttctaa	gagaacagaa	120
gtaataagag	aaacagttac	gtgtggaatt	caacatcttt	ggttggaacg	cattggcttt	180
ttttttcttg	ttttgataga	aatggaatta	agcaaaagta	gtttttgtct	tttctgttgt	240
cttcaaattt	caggccatct	atttttaatt	taatcccgtt	caagtacttg	attgttatac	300

<210> 174  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 174						
attatttcca	aagcagccta	cagtagaaaa	tagtcattat	ggcagcagct	tctgatgttt	60
ttgtttggta	ggttttctga	tttcaatata	tagaatcata	ttcatagagt	atctttcttt	120
aacgaattgc	acaaagtacc	catttataat	ttacatgcac	agttcattgc	cacctttctt	180
aggcctatgc	atagttaata	aggttataat	ctactcaaca	tggaaaatgg	agcctatttg	240
caaacacaca	agtaattaaa	gtaccaattc	tctcttagtt	tcttttttta	tagttgggtt	300

<210> 175  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 175						
tgganactct	ttantatgga	aggtgaattt	cctgtcaaca	tagtccagga	caaagcagtt	60
ccaattccag	agaaaatgag	tgaatgggca	cctcgacctc	cccagaatt	tgtccgagat	120
gtcatgggtt	caagtgtctg	ggccggcagt	ggagagttcc	acgtgtacag	acatctgcgc	180
cggagagaat	atcagcgaca	ggactacatg	gatgccatgg	ctgagaagca	aaaattggat	240
gcagagtttc	agaaaagact	ggaaaagaat	aaaattgctg	cagaggagca	gaccgcaaag	300

<210> 176  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 176  
 tataaaacttt atttttattct cttctgggggt agagttacat gacaagaaat tgaattaatt 60  
 caataaaaatt ttagttcggg ttgcttaggt ttttactgct cccattcttg cttttactaa 120  
 tttatccaag attagatgtg attactatct aataataatt tagtcctcac acttacaaac 180  
 cacttacaat accagcatgc ttctatcact gtaattctat tcaattctca ggcccatgag 240  
 gcatgccagc cagacgacca gacagcattt atagagaggg cactcaatac cagccacaaa 300

<210> 177  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 177  
 gactggagaa gtcagaagta gaaaagcaga ttgctaggag agacaggatg acagattttg 60  
 gtcagaaaaat gggatattgg agttttaaagt atcaaataca gaatagttcc agatgttcag 120  
 agatccagca tgggattagg tactgaaatg gattagaact aaaagtcact agaattttaga 180  
 aattgagaac catgagagtg gatgcaatga cttgttgctt gattgaaaaa taaattaata 240  
 ataataaagg accatgagac tagcctgtta taggggggtat ctccatgann nttgtttttc 300

<210> 178  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 178  
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 gagtcctgtg tgcacagtaa tctcctgggt caggtaaaat ccaggctctc aagttttaag 120  
 gattttttga agaattcggg cttctttaag acgatccatg cccaaatcca caagcttggt 180  
 gacagtggat tacagtttgt gtggcaaagt ccaagttggt acactgtgct ttaaaaaaaaa 240  
 tcttatctgc atgtattgtt aacttagaga ccatgagatc tatttatcag gaccaggaag 300

<210> 179  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 179  
 ctcatgcctg taatcccagc actttgggaa gcagaggtgg caggatcatt ccagcccagg 60  
 agttcaagac cagcctgggc aacacagtga gtgagaccct gtctctatct aagaaaaaat 120  
 aattaagaaa ttttattaaa aaagaagaat caggaaacca agtccaaccc aactaaacct 180  
 caaatgaacc agcccctaac acagatgagg ggatttggga ctgataagct ctgtgctgtg 240  
 tccatggccc gtcattttatc aaggctgcag ctttgtaaat gtggctatct ttatgttgtg 300

<210> 180  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 180

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ggccaggagc	tagttttatc	agcatcctgc	tccactgcct	tcctctagt	cagcctggaa	120
gacatggcag	cgggtagctc	ctggggctga	gccagaagca	tcactgcagt	gaaagtctct	180
gcttacctgt	ctggctcagc	ttgggcaagg	gctgggccat	atgtgctcag	ggacgtgctt	240
ctcttctaag	gcaggaggat	agaagaggac	caagaaggga	gggagctgcc	ctgtggtgca	300

<210> 181

<211> 300

<212> DNA

<213> Homo sapiens

<400> 181

cccatgccgg	gatcttccca	cacccgtcct	cacagatcca	gccccagccc	cttgcttccc	60
aggccatctc	tcagcagcac	ctgcaggatg	cgggcacccg	ggagtggagc	cctcagaacg	120
catccatgtc	ggagtctctc	tccatcccag	cttccctgaa	cgacgcggct	ttggctcaga	180
tgaacagtga	ggtgcagctc	ctgactgaaa	aggccctgat	ggagcttggg	ggtgggaagc	240
cgtctccgca	ccccggggcg	tggttcgtct	ccttggatgg	caggtccaac	gctcacgtta	300

<210> 182

<211> 300

<212> DNA

<213> Homo sapiens

<400> 182

tttgagtggt	tgtcagaaac	aaataataaa	gccccaaaag	attaactagt	tgaaaaaact	60
ggcaaaatct	gtatacgtgg	aaattttacca	ggacagagac	tgaagaataa	agaaaatgag	120
tttcattgcc	agatcatgaa	atccaaagaa	actttaaaga	agatgagttg	tgtaaagtga	180
actgaaggga	gggaagagct	gccttcgcct	gggacaaaga	aaacatgtgt	atacacatgg	240
gtcaagcagt	gctgggtctgt	ggctgcctgt	ccagaggaat	ggaaatatcc	cttgtcttta	300

<210> 183

<211> 300

<212> DNA

<213> Homo sapiens

<400> 183

cggaccatc	ggagcgtaac	ctggatctcc	gcaggcctgg	cggaggccgg	ccacctggag	60
gggcattgct	tggttcgctg	ggtagcagag	gagcttgaga	atgttcgcat	cttaccacat	120
acagttcttt	acatggctga	ttcagaaact	ttcattagtc	tggaagagtg	tcgtggccat	180
aagagagcaa	ggaaaagaac	tagtatggaa	acagcacttg	cccttgagaa	gctattcccc	240
aaacaatgcc	aagtccttgg	gattgtgacc	ccaggaattg	tagtgactcc	aatgggatca	300

<210> 184

<211> 300

<212> DNA

<213> Homo sapiens

<400> 184



ctgttttgca	gatgaggaaa	ctgaggtaca	gaattcttag	ggaacttacc	caaaatggct	60
tttctgcaact	ctgccctttg	gtattgtccc	atgtgaattg	tttaaaactt	atgtgtatag	120
tggeatgagt	aggtgatttc	agaaacagaa	ctcacttttg	ttgtttggtc	ttaaaattag	180
gaacttttct	tcatctgggc	ttcatttccc	tgcaccttcc	cagctttcta	gtcatgcaag	240
ccacatgtct	ccacgtgagg	ggttcattgg	aaagcagcca	cagagccacc	ccctggctgg	300

<210> 185  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 185						
attatagaga	ttaatctcct	ttgctcgaag	tctattttaa	tattagtcac	atctaaaaca	60
tacttttaca	gcaacatcta	gactgggtgt	tgaccaaaca	actgggcatc	atagctgaca	120
cataaaatta	accatcacaa	ccatgttcta	ggcactgttc	ctcactgcct	gagaagacac	180
cgttatgttt	attagggttt	ttgagtttta	tccacagctt	ttggttatct	gcaaccatgt	240
ctcccacctt	taacatagtt					260

<210> 186  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 186						
gataaactct	tcagtgcga	atattagaaa	aagttagtta	tacatttgag	gaaaactata	60
aaagtaccaa	taatgagtag	gaaatcactt	ctgcagtatt	tttggagcat	tttccttaag	120
catgacataa	aagccaaagg	tcacaaggga	aaaaactgat	agatttgtct	gtgatattga	180
gagatgtatg	cacatataca	tacaacagtc	atagtaagac	accgttagac	aaaagggtgat	240
gtatgaaaaa	gaggcaaaac	aacaagaaga	aaagattgaa	aaaatgagag	ctgaagacgg	300

<210> 187  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 187						
aaaaagtaaa	gcttttcatg	agcacaaatc	ccttgcattg	tttgatgtta	ctgatattcg	60
taaaatgaat	atTTTTTgtt	ttgTTTTgtt	ttattTTTTt	gagacaagtc	ttgctttgtt	120
gcccaggctg	gagtgcgaatg	gcatgatctt	ggctcactgc	aacctctgcc	ttgcgagttc	180
aagtgattct	tctgcctcag	cctcctgagt	agctgggatt	acaggcgctc	accaccacac	240
ccagctaatt	tctgtatttt	tagtagacac	agggttttac	catgttggcc	angctgggtct	300

<210> 188  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 188						
gagcattcct	cctttgttaa	cgaagcaaca	tttacacaag	atggacatta	cattattagt	60
gcatgctctg	atggcactgt	aaagatctgg	aatatgaaga	ccacagaatg	ttcaaatacc	120
tttaaatacc	tgggcagcac	cgcagggaca	gatattaccg	tcaacagtgt	gattctactt	180

cctaaaaacc	ctgagcactt	tgtggtgtgc	aacagatcaa	acacggtggt	catcatgaac	240
atgcaggggc	agattgtcag	aagcttcagt	tctggtaaaa	gagaagggtg	ggactttgtt	300

<210> 189  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 189						
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aggacatgaa	cagacatttc	ccaaaagaag	acatacaagc	aacctaaaat	aatctaaaat	120
aattttttaa	aagaaaaaat	gcttgacaga	gttttgatag	tacttagtaa	aaagttatat	180
ctagtggctt	tttgtttgtt	tgtttttgtt	ttgtttttta	gaaatagtct	ctgtttccca	240
agctggagta	cagtggcgca	atcttggttc	actgcaacct	cgaactcctg	ggctcaagcg	300

<210> 190  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 190						
aaccactatg	gaggcatgat	tgggtggcac	tacactgcct	gtgcacgcct	gccaatgat	60
cgtagcagtc	agcgcagtga	cgtgggctgg	cgcttgtttg	atgacagcac	agtgacaacg	120
gtagacgaga	gccaggttgt	gacgcgttat	gcctatgtac	tcttctaccg	ccggcggaac	180
tctcctgtgg	agaggccccc	cagggcaggt	cactctgagc	accacccaga	cctaggccct	240
gcagctgagg	ctgctgccag	ccagggacta	ggccctggcc	aggcccccga	ggtggcccca	300

<210> 191  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 191						
gcggcgctga	ccgggccggc	cccacacccg	ctcttcctct	tctttgccgc	ggactccctt	60
tcctgcctcc	aagacctggt	gtctcccact	gtgagcccag	ctgtcccaca	ggcagtcccc	120
atggacctag	actcaccttc	cccttgcttc	tatgaacctc	tgctggggcc	agcccctgtc	180
ccagctcccc	acctgcactt	cctgctggac	tcaggcctcc	agctccctgc	ccagcgagcg	240
gcctcagcca	ccgcctcccc	tttcttcctg	gccttgctgt	caggcagctt	tgcagaagcc	300

<210> 192  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 192						
gacagaccgt	tgagaggacg	tggaggcccg	agagggggta	tgcgcggcag	aggcagaggt	60
ggccctggga	acagagtttt	tgacgctttt	gaccagagag	gaaagcgaga	atgtgaaaga	120
tatggtggga	atgacaaaat	agcagtcaga	actgaagaca	acatgggtgg	atgtggagtt	180
cgaacctggg	gatcgggtaa	agataccagt	gatgtggagc	caactgcacc	gatggaggaa	240
cccacagtgg	tggaggagtc	ccagggcacc	ccggaagagg	agtctccagc	caaagttcct	300

<210> 193  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 193  
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 gatgatgaca cttacatgaa ggatttatat cagcttaacc caaatgctga gtgggttata 120  
 aagtcaaagc cattgtagaa gacttaacaa gctgcagata accatgtgga cttctgtcat 180  
 aattcttgct gagtcaagag tgtaaataaa agaaatggca ggactcatat tattcagttg 240  
 tacccaagta tttaaaaatg actctcttaa gccttaaaaa gtcatagatt tgtgctgctg 300

<210> 194  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 194  
 cagaagctta gtcatatctt aaaatgatca aatatcaaga aaaattctga gctgcataac 60  
 ttgtataaag taattttcag tgattttttt catgggttatg ataaaagaac tggattagca 120  
 gaaactttta cctgaatca agatttaatt tttctttgag ctcactctaa ggatattcga 180  
 acatagggag caaacgatgg tgtggctgcc tcagtgttg atttttaacg gttttgaaga 240  
 gaatagttac atttcttctc ctagtaagaa ctaataaata cattaacaga aatgaattcc 300

<210> 195  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 195  
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 ttgggagggt gaggcacaag aatcgcttga acccgaggag cggagggttc agttagccaa 120  
 gatcgccctg ctgcaactcca gcctgggcaa cagagggaga ctctgtctcc aaaaacaaaa 180  
 acaaaaaact ttagtgaagg ttccctggga cttttgatat tttaaaaatt gatccttatga 240  
 ctaagtagat aaattcattg ccataatgag gctagctccc agataaacag cgtattttct 300

<210> 196  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 196  
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 tgcttattaa aattttgtta attttagcaa agaccaattg ttgtgataaa ctgggtgttt 120  
 ttggatgctt caagcacacg ttaaccaatt ttttaattcc ccttttggtt cctccattg 180  
 ttctaaaata ggactttcat attattaaaa cctcaaaaga tgatccaccc aggatgaaca 240  
 aagatcacca aggggaaaga aaacattttt tatctttaca gaaaacatgt taagattata 300

<210> 197  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 197

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tttggctaga	tcaaaagccg	agccacctaa	acaacagtcc	agcccccttag	taaacaaaga	120
ggaagagcat	gcaccagaat	catccgcaaa	tcagacagtc	aacaaagatg	tggacgcaca	180
ggctgaagga	gaagggagcc	gcccatccat	ggacttattc	agggccatct	ttgccagttc	240
ctcagatgaa	aagtcctcat	cctccgagga	tgagcaaggt	gacagtgaag	atgatcaggc	300

<210> 198

<211> 300

<212> DNA

<213> Homo sapiens

<400> 198

gcaacatttg	tctacaactc	tactgtaaaa	ttggaaatgc	ttttccacag	aaaaacctct	60
caaaatgctg	aatgcaaaaag	ttgggatcac	agaaacattg	tgcctatttt	tggctctgctg	120
gaaactgtat	ttttacaagg	taatccctgt	tttcaatata	gttcctgtct	tgccactggc	180
ggttttcttg	tagcattttt	ctagttctga	gattgctact	acccaaagta	ttcattttctt	240
tcttactggg	gtgtcctctg	tcttcacagc	ctgcttctgg	attgtagggt	ttttcctttc	300

<210> 199

<211> 300

<212> DNA

<213> Homo sapiens

<400> 199

gcaacatttg	tctacaactc	tactgtaaaa	ttggaaatgc	ttttccacag	aaaaacctct	60
caaaatgctg	aatgcaaaaag	ttgggatcac	agaaacattg	tgcctatttt	tggctctgctg	120
gaaactgtat	ttttacaagg	taatccctgt	tttcaatata	gttcctgtct	tgccactggc	180
ggttttcttg	tagcattttt	ctagttctga	gattgctact	acccaaagta	ttcattttctt	240
tcttactggg	gtgtcctctg	tcttcacagc	ctgcttctgg	attgtagggt	ttttcctttc	300

<210> 200

<211> 300

<212> DNA

<213> Homo sapiens

<400> 200

agtagaaaaa	tacaaagact	gtgatccgca	agttgtggaa	gaaatacgcc	aagcaaataa	60
agtagccaaa	gaagctgcta	acagatggac	tgataacata	ttcgcaataa	aatcttgggc	120
caaaagaaaa	tttgggtttg	aagaaaataa	aattgataga	acttttggaa	ttccagaaga	180
ctttgactac	atagactaaa	atattccatg	gtggtgaagg	atgtacaagc	ttgtgaatat	240
gtaaatttta	aactattatc	taactaagtg	tactgaattg	tcgtttgccc	tgtaactgtg	300

<210> 201

<211> 300

<212> DNA

<213> Homo sapiens

<400> 201

ttctactttg	ggtccgcgcg	aagcccactc	acgtgtgac	tgtgttgccc	ctctcggtgg	60
tcccaggcga	tccagccatg	ccccctgccc	ctctgcccag	atgcttcagg	ggcccggttt	120
ttcaggcttg	ccctcaccag	cggccgtcag	ccgacactca	gggatgtagc	taacaccact	180
ccgccagtgc	tttcagtagg	aagagctgag	gctgcctggg	aggcccgggg	cgaccggaaa	240
agggctctct	caagtcttga	aaagagaatc	tgccaccaga	tcgaatttcg	acccttgagc	300

<210> 202  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<400> 202						
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tgaagatatt	ttgagcaaaa	gtaacctgaa	cccagatgcc	aaggagttaa	ttccaggaga	120
gaagtactga	gccgagaaa	ctttgaggaa	gacttgtctg	tccccacatc	tggggatagt	180
aatgccc aaa	atggtggagc	tgaagagggg	gatggggcgg	gcgaggggtg	cacagcggga	240
aggggagtgg	tgggtctcacg	atactgtgac	tctgagtaac	t		281

<210> 203  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 203						
gccctcagcc	acccccatcc	ctgccccttc	tgagactcac	agcacccttc	tccttctctc	60
cctcccacct	cctccctcag	cccctcattc	tccttgggaa	tctgcagagg	gctctgggac	120
tcactgccgg	atgtgaaatc	cagggcgtcag	ctgtttccta	ggcaagggca	ggaaagtggc	180
ctccagccct	tgctccactc	atgcctgggg	gcctggggct	gagtgggtatc	cctacctggc	240
ctccccctgg	cctctggggc	tccagcgtcg	ggtttgtcga	gtgagagaga	gagaggagct	300

<210> 204  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 204						
gaggactctc	aggacgaaaa	gagccaaacc	tttttgggaa	aatcagagga	agtaactgga	60
aagcaagaag	atcatggtat	aaaggagaaa	ggggctccag	tcagcgggca	ggaggcgaaa	120
gagccagaga	gttgggatgg	gggcaggctg	ggggcattgg	gaagagcgag	gagcagggaa	180
gaggagaatg	agcatcatgg	gccttcaatg	cccgctctga	tagccctga	ggactctcct	240
cactgtgacc	tgtttcagga	gcctcatat				269

<210> 205  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 205						
ttctactttg	ggtccgcgcg	aagcccactc	acgtgtgac	tgtgttgccc	ctctcggtgg	60
tcccaggcga	tccagccatg	ccccctgccc	ctctgcccag	atgcttcagg	ggcccggttt	120
ttcaggcttg	ccctcaccag	cggccgtcag	ccgacactca	gggatgtagc	taacaccact	180

ccgccagtgc tttcagtagg aagagctgag gctgcctggg agggccgggg cgaccggaaa 240  
agggctctct caagtctga aaagagaatc tgccaccaga tcgaatttcg acccctgagc 300

<210> 206  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 206  
gggattacag gcatgaccca ccgcgcccag cctgtaattt cttatacttg gtatttttcta 60  
cttggattat gcttctgata cgctataatt atttatgtac atgttatttt tcttcaatag 120  
actgtgaact cttcgaatgt aggactccta gagctagata ctcaattatt ttttattaaa 180  
ttgaatgact tgaaactaca gatcctttat ttaaacttcc caaatttctg ctttatctag 240  
gcaactcttt aaattctttg atctcatgta gattccaaag gctgaaataa ttgagatttt 300

<210> 207  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 207  
tcctgaagct cgggggggctg caggtcctga ggaccctggt gcaggagaag ggcacggagg 60  
tgctcgccgt gcgcgtgggc aactgctct acgacctggt cacggagaag atgttcgccg 120  
aggaggaggc tgagctgacc caggagatgt cccagagaa gctgcagcag tatcgccagg 180  
tacacctct gccaggcctg tgggaacagg gctggtgcga gatcacggcc cacctcctgg 240  
cgctgcccga gcatgatgcc cgtgagaagg tgctgcagac actgggcgtc ctctgacca 300

<210> 208  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 208  
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attaaaacag tttagtagcc ttcagttttg tgaaaatagt tttcagcaca gaaactgact 120  
tctttagaca aagttttaac caatgatggt gtttgcttct aggatataca ctttaaaaga 180  
actcactgtc ccagtgggtg tcattgatgg cttttagtaa attggagctg cttaatcata 240  
ttgatattca atttctttta accacaatga attgtcctta attaccaaca gtgaagcact 300

<210> 209  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 209  
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gccactgatg gagatgcggc tccgggatgc gcctcagcac ttctatgcag cactgctgca 120  
gctgggcctc aagtacctct ttatccttgg tattcagatt ctggcctgtg ccttggcagc 180  
ctccatcctt cgcaggcatc tcatggtctg gaaagtgtt gccctaagt tcatatttga 240  
ggctgtgggc ttcattgtga gcagcgtggg acttctcctg ggcatagctt tggatgatgag 300

<210> 210  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 210  
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 acgtcatggc cctgctataa ggtagtagtt ctagaagact gtttatctaa taattcagac 120  
 taaagctatt tatattgctg tgacaccacg tggaaaactt ttataattcc atcttatttc 180  
 tgatgtatat gttttatttt ctctgccttc ataagaacta aaaaccaaag ttatttacgt 240  
 gaaaacaaga tttttgtttg agttcattta cttgagatat gtttaaaaaa tccaccttct 300

<210> 211  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 211  
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 cttgtggaag aacagaatgc agagaaggcg aggaaagccg aagagatgag gcggcagcag 120  
 aagctaaagc aggccaaact ggtggagcag tacagagaac agagctggat gactatggcc 180  
 aatttggaag aagagctcca ggagatggag gcacgggtacg agaaggagtt tggagatgga 240  
 tcggatgaaa atgaaatgga agaacatgaa ctcaaagatg aggaggatgg taaagacagt 300

<210> 212  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 212  
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 ggctcatgtt gctcacaggc agagtgtctc tggcacagtt tgccttggcc ttcgtgaagg 180  
 acaegtgcgt ggcgggtgcg ctgctgtgcg ggcgtgggct gctcttccat gggatgctgc 240  
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<210> 213  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 213  
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 taattcatac aatgaatgta tttggaatac ttacatatta taaaataaac tatacctctt 120  
 caagaggat cctgttctgt aagatcagat gtttttattg caggtaata taatactgcc 180  
 agagacagaa aataccccct tatcagtccc ttagtgctc tttctgtttg tggcatggtg 240  
 agaaaacca tgctgaaaag attgtacttt gtgatcccaa tcagagggag gagctaattc 300

<210> 214  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 214

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tgtcagagcc	catatcaaca	actcagagaa	acatcaaaga	gtcttggaat	gtctgatggc	120
atgcaggagc	aaacccccag	aagaggaaga	acgaaagaaa	cgaggaagaa	agaggggaaga	180
caaagaggac	aagtcagaga	aagcagtga	agattatgaa	caggaaaagt	cttggcaaga	240
ctcagagaga	ttaaaaggaa	tcttagaacg	tggaaaagaa	gaattggctg	aagctgagat	300

<210> 215

<211> 300

<212> DNA

<213> Homo sapiens

<400> 215

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atttcataac	aaaaatatgt	atctcttttt	tggtatttta	tcttgaaaac	ggtacatatt	120
ttagtatatt	tgcaaaaaaa	caagtcctaa	agtatttggt	tttatttgta	ccatccactt	180
gtgccttact	gtatcctgtg	tcatgtccaa	tcagttgtaa	acaatggcat	ctttgaacag	240
tgtgatgaga	ataggaatgt	ggtgttttaa	agcagtgttg	cattttaatc	agtaatctac	300

<210> 216

<211> 300

<212> DNA

<213> Homo sapiens

<400> 216

gcagatattt	actgaaggaa	tctaggttgt	atcttcagtg	gacaatggga	ataaagcatt	60
tctaaagcac	cgactggaga	ggaaggcaac	agagacaagg	agagaagccg	agagacatgt	120
ctgctgtctg	ccacgcattc	gagcgattgc	tctgtgaaga	gttgtaacct	gaacattttc	180
aggggaggct	gtttaccag	gcaatgtcct	caaacaagcc	tgtgccgggg	agtcctggaa	240
tctgtgccag	gactgtgttt	ttagcccttc	acctctcagc	tttagcagga	catgaaccag	300

<210> 217

<211> 300

<212> DNA

<213> Homo sapiens

<400> 217

cccccatctt	cactggttat	tccacttatt	taaaatgtcc	agaataagca	aatctccata	60
tagaggaagt	agattagtgg	ttgcttcggg	atgggaggaa	tgggaagatt	gaggctcttc	120
ttttgcagtg	ataaaaatgt	cctaaaattg	actgtagcga	tggtcacaca	actctgaata	180
tgcttaagac	cattgaatta	cacactttac	gttgggtgaat	tgtatggtat	gtaaattata	240
gttcaataac	atagttacaa	aagataatca	aaagcatgaa	agcactgttg	atgtggtttg	300

<210> 218

<211> 300

<212> DNA

<213> Homo sapiens

<400> 218



acggcctggt	ggagcagctg	tacgacctca	ccctggagta	cctgcacagc	caggcacact	60
gcatcggctt	cccggagctg	gtgctgctg	tggtcctgca	gctgaagtcg	ttcctccggg	120
agtgcaaggt	ggccaactac	tgccggcagg	tgacagcagct	gcttgggaag	gttcaggaga	180
actcggcata	catctgcagc	cgccgccaga	gggtttcctt	cggcgtctct	gagcagcagg	240
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<210> 219  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 219						
caactagaga	agattggaca	gcaggctgac	agagaacctg	gagatgtagc	tactccacca	60
cggaagagaa	agaagatagt	ggttgaagcc	ccagcaaagg	aaatggagaa	ggtagaggag	120
atgccacata	aaccacagaa	agatgaagat	ctgacacagg	attatgaaga	atggaaaaga	180
aaaatttttg	aaaatgctgc	cagtgtctca	aaggctacag	cagagtgtatt	tcagcttcca	240
aactggtata	cattccaaac	tgatagtaca	ttgccatctc	caggaagact	tgacggcttt	300

<210> 220  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 220						
ggtaagtcag	gtgattgaat	cccggaaagg	ttcattgtct	tcaagctcac	aatactatatt	60
tgggacaaac	agttgtctag	tgtttgact	catgaaccct	gattcttgag	ggtggtatatt	120
tactgctttt	gtgatttggt	ttcaacatat	atagtctttt	ctccggagtt	accttaggtc	180
agtggccagt	gtttcagccc	ctggaaaggg	catgggctgc	caatgaggtt	ggtcacaggc	240
ctctcagctc	atggtgggag					260

<210> 221  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 221						
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tctaccttct	caaaccccc	agccggcaca	tcacacaccg	gacaccagga	ccaagccca	120
gcagacacag	gatctgctaa	cgcagctggc	agctgaggtg	gctatcgatg	aaagctggaa	180
aggaggaggc	ccagtgaccc	tccaggacta	tcgcctccca	gacagtgatg	acgacgagga	240
tgaggagaca	gccatccaaa	gagtcctgca	gcagctcact	gaagaagctg	ccctgatgag	300

<210> 222  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 222						
gcggtgaccc	acgtgtcctg	catgattgcc	ctactgctgt	ggagacctcg	tgctgaccat	60
ctggcagtgt	tcttcgtatt	ctctggcctg	tggggcgtgg	cagatgccgt	ctggcagaca	120
caaaacaatg	ctctctacgg	cgttctgttt	gagaagagca	aggaagctgc	cttcgccaat	180

taccgcctgt	gggaggccct	gggcttcgtc	attgccttcg	ggtacagcac	gtttttgtgc	240
gtgcacgtca	agctctacat	tctgctgggg	gtcctgagcc	tgaccatggg	ggccgtatgg	300

<210> 223  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 223						
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agatggtcga	ggtgatgaga	aacggaaaaa	taaaggcact	tgggacagct	cctctggcaa	120
tgtatctgaa	gggggaaagc	cctcctgaca	gccaggagga	ctctttccag	ggaagacaga	180
aatcaaaaga	caaagctgcc	actccaagaa	aagatggtcc	caaacgttct	gtactgtcca	240
agtcaagtcc	tgggtacaag	ccaaaggtca	ttccaaatgc	tatatgtgga	atttgtctga	300

<210> 224  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 224						
ctgcggccgc	aggagctgtg	gcggttttcc	taatcctgcg	aatatgggta	gtgcttcgtt	60
ccatggacgt	tacgccccgg	gagtctctca	gtatcttggt	agtggctgag	tccggtgggc	120
ataccactga	gacccctgag	ctgcttgagg	gcttgaccaa	tgccactca	cctagacatt	180
atgtcattgc	tgacactgat	gaaatgagtg	ccaataaaat	aaattctttt	gaactatgat	240
cgagctgata	gagaccctag	taacatgtat	accaaatact	acattcaccg	aattccaaga	300

<210> 225  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 225						
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tgttggtagt	tccctgctttt	cttcttgagg	attcctcgtg	gacctcgaga	tctttaccct	120
aaaatagttc	tgttgaattt	caccctggca	atgtaaaattg	atagcttata	ttcacagatg	180
ccagacaatg	gacaactcac	catcagtcct	ctgctcacct	gagacaaatg	catgtctgat	240
tgcttcctct	gccctattgt	ttatgtgaaa	atgcagattc	actgagccag	actaaggcat	300

<210> 226  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 226						
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gtcaggagac	ctggattctt	gtgcccgtct	tggctttttac	agtctgccta	actctatgca	120
gtcacttcct	gccagcctgt	ttccttacct	acaagaggga	gagacactcc	ctggccagcc	180
tagttctcag	ggtgaacgaa	aggtcattat	cactgcaccc	tctagtcatt	tgcttcttcg	240
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<210> 227  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 227  
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 acaatgggag aggtcaggaa tcaagttcac tttcaagatc taagggagtc cactatctgt 180  
 gcaattgtat ttggcttttt tttgcaactgt ttcaatgctg gtaattgaaa ccattttaat 240  
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<210> 228  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 228  
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 attccttggg cacacctagg atgttcttgc ctcttagctt gctaccttt ctctcatcat 120  
 ttgggcctca gcgaggatat catctcctca gagaagcctt ctgtgaccat gctatctaaa 180  
 atactccagc acttcagtca ccctttatcc cattactctg ctttttcaga aacattgggtg 240  
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<210> 229  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 229  
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 agaaaaaagc atatcttcat tgacataaca gaagtggat ggcccagtct tgatacagat 120  
 ggtaccatga tatatatgga gagtggcatt gtgaagataa catctttaga tggatcatgca 180  
 tacctctgcc tgcccagatc tcagcatgaa tttacagtac attttttgtg taaagttagc 240  
 cagaagtcag actcatctgc agtgttgtca gaaacaaata ataaagcccc aaaagataaa 300

<210> 230  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 230  
 acttcttggt tgcctttttt ataaggaaat gttggagagt tacatcattg ctaatgtaga 60  
 aatgttaagt ggaaaaatat acagtttggt aaaataaact agattctaca tttatttgtg 120  
 ggtttttttc cctccttttc tttccacagc acttttgata tcaagcaagt ggcttccttt 180  
 ttgagatatt aaaaaaaaaa agaaaaggaa aaaagtaaata gannnnnnnn nnnnnaaccc 240  
 tttctnattn gnattngttt nagnattgng aagttgngtt aaanagtnct agntagaaat 300

<210> 231  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 231

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ccactaatta	gactttttan	ntaaaaaang	taggggggtt	taaaactact	ttcctactac	120
caaaaaatca	naaagtatct	agcttttctaa	atngggaaaag	caagcaatgt	tataaaaaacn	180
ctgaaggaat	ctctttcttc	gggacctttt	gttaaactcg	gttnaagctg	taaaccttat	240
ttaaaataaa	atttaccaca	naacaggaaa	tanaacctgg	ggaanactcn	aaatacnct	300

<210> 232

<211> 300

<212> DNA

<213> Homo sapiens

<400> 232

ggaagccaag	gcctggagct	gcagggtcccc	cggcatctct	ctctgtcccg	gcagcccagg	60
atggcctggt	gccccacct	gctgcagcag	gagccccaag	gagtgtctagc	tgaggggtggt	120
tgctgggggtg	gtcctcatgg	acagtggagt	gtgcaagggt	gcactgaggg	tggtggggagg	180
ggatcacctg	ggttccaggc	catccttgct	gagcatcttt	gagcctgcct	tccggtggga	240
gcagaaaagg	ccagaccctg	ctgagttaga	ggctgctggg	atccactgtt	tccacacagc	300

<210> 233

<211> 300

<212> DNA

<213> Homo sapiens

<400> 233

gaggaagagg	cctgtccac	ttgtctggga	acctgggcag	gaggcacaga	ggaagccaag	60
gcctggagct	gcagggtccc	cggcatctct	ctctgtcccg	gcagcccagg	atggcctggt	120
gccccacct	gctgcagcag	gagccccaag	gagtgtctagc	tgaggggtggt	tgctgggggtg	180
gtcctcatgg	acagtggagt	gtgcaagggt	gcactgaggg	tggtggggagg	ggatcacctg	240
ggttccaggc	catccttgct	gagcatcttt	gagcctgcct	tccggtggga	gcagaaaagg	300

<210> 234

<211> 300

<212> DNA

<213> Homo sapiens

<400> 234

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gtttgccttt	ctttaactct	ggctccttct	ccttcttctg	tttgtgtatc	tgtttaattc	120
attgagttag	gaggacaggc	agaactgtgt	ctgccaaagga	ccggatgtac	ttctttcctt	180
gctcttggtt	ttttgctcac	ttttatatgt	aaggatttag	tacaaacctt	aaggagagaa	240
agtagaggat	cagatcattg	ggacttggtc	tggtttcaag	aaagaattaa	caaattgccg	300

<210> 235

<211> 300

<212> DNA

<213> Homo sapiens

<400> 235

gttggctcaa	gggccaccag	aagcatttct	ttattattat	tattttttta	cctggacatg	60
cattaaaggg	tctattagct	ttctttccgt	ctgtctcaac	agctgagatg	gggcgcgcaa	120
ggagtgcctt	ccttttgctc	cctccctagct	gggagtgcg	gggtgggagt	tgtgtgcccc	180
gggtgggggtg	tctcctggct	gggaaggagg	gaaagggagg	gagagttttg	cggggggttg	240
cagtggagag	caggctggag	aggagatggc	taatagctgt	ttaatggaaa	cctgctgggc	300

<210> 236  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 236						
gaatcatcga	aggttgagac	cgtgtctagt	tacatagtta	taaataccca	tctatgtact	60
gatgccttct	aaatgtctat	ctccagtatg	gtcttttctt	ttaagctcta	gatccattga	120
caccctcacc	atctctaaaa	ggcatttcaa	actgaacaca	tctgatacag	aacttttcat	180
ttccttccca	actttgcccc	cgccagcctg	ctcctccttc	acgctttcca	cttagtatat	240
gatcccacta	ttcactcagt	ctctgaagct	taaaacctag	gattcatcct	tgactactgt	300

<210> 237  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 237						
caggacatgg	agcagtacct	gtccactggc	tacctgcaga	ttgcagagcg	gcgagagccc	60
ataggcagca	tgatcatccat	ggaagtgaac	gtggacatgc	tggagcagat	ggacctgatg	120
gacatatcgg	accaggaggc	cctggacgtc	ttcctgaact	ctggaggaga	agagaacact	180
gtgctgtccc	ccgccttagg	gcctgaatcc	agtacctgtc	agaatgagat	taccctccag	240
gttccaaatc	cctcagaatt	aagagccaag	ccaccttctt	cttcctccac	ctgcaccgac	300

<210> 238  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 238						
cactggctac	ctgcagattg	cagagcggcg	agagcccata	ggcagcatgt	catccatgga	60
agtgaacgtg	gacatgctgg	agcagatgga	cctgatggac	atatcggacc	aggaggccct	120
ggacgtcttc	ctgaactctg	gaggagaaga	gaacactgtg	ctgtcccccg	ccttagggcc	180
tgaatccagt	acctgtcaga	atgagattac	cctccagggt	ccaaatccct	cagaattaag	240
agccaagcca	ccttcttctt	cctccacctg	caccgactcg	gccacccggg	acatcagtga	300

<210> 239  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 239						
atttcttcca	gtcctggggc	ccatccttga	gggccttccc	agccagccag	caggagaggc	60
aagaactggg	ggaacacagg	aacctagggg	aggaggggag	cgctgggcat	cctcaggctg	120
gcggccaagg	cctgcccctg	gaggcactag	aggagggcat	ctgtctgtgg	gagcccagag	180

gctgcagggg	ggaggaggag	ggaggtatct	ggtgtgagcg	ttgcccctgc	gacatttggg	240
accacacagg	tgggcttcct	tattccctga	caaagcctct	gtttccagct	cttccgcct	300

<210> 240  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 240						
catgagtgat	attttgggtct	gggtttcctc	ttaagatctt	agtttgtctg	aattaaggaa	60
aaatgttttt	aatatacatt	cttattttgt	cccacccctc	cagaaataag	ctggaaatct	120
taactttttg	gggggtcttt	tttgggtgtt	taatgggccc	agaactgtgg	tttaaatttt	180
tatgtatgta	ttttcttttt	tgtggagtat	aaatttaaaa	actggatttg	ggacctaaaa	240
tactctcag	gttgatgtat	tcataaaagt	ttta			274

<210> 241  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 241						
ctgttgcttg	ccaagctcag	ggcccattta	tcatacatct	tccatcctt	gtctcccca	60
actgtccctt	acctgagtca	caatttcgcc	aaagccaaag	ggattgtcct	aagccaatgt	120
tgatttatca	ctcttctgc	tcaaaagccc	ccaagatcac	ctatcaatca	cctacttgag	180
tgcaagcttt	gactctgtca	cctgacattc	aagtccccct	ctgcccccat	gccagtctta	240
tccccctccc	tacatatgcc	ctatgcctca	gtttgccttc	cctccacttt	aaaaagcctc	300

<210> 242  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 242						
ccgctggcta	tgtggacgct	ggggcagagc	caggccggag	tcgaatgatc	agccaggaag	60
agtttgccag	gcagctacag	ctctctgatc	ctcagacggg	ggctgggtgc	tttggetact	120
tccagcagga	taccaagggg	ttgggtggact	tccgagatgt	ggcccttgca	ctagcagctc	180
tggatggggg	caggagcctg	gaagagctaa	ctcgtctggc	ctttgaggta	atgggggggtg	240
gcgggtgggtg	gggggtgctta	gtggctatgc	tcaccccgct	ccaggaggcc	tatttttgta	300

<210> 243  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 243						
caagatctgg	aggaatgcag	agaggaaact	gatacagatg	aatatgaaga	aacccaaaaag	60
gaaactctgg	agcaactaag	tgaatttaat	gattcactaa	agaaaattat	gtctggaaat	120
atgacttttg	tagatgaact	aagtggaaat	cagctggcta	ttcaggcagc	tatcagccag	180
gccttttaaaa	ccccagaggt	catcagattg	tttgcaaaga	aacaaccagg	tcagcttcgg	240
acaaggttag	cagagatgga	tagagatctg	atggtaggaa	agctggaaaag	agacctgtac	300

<210> 244  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 244  
 agtaaatttt ttatgcatat tttattgcaa taaaaaatga aaacagtttc aatctaggag 60  
 gattttggat gcatctatgc cttgagaaat gaatggtttg atgtaaatgc atggtagcaa 120  
 gaataaataa ttatgttaat tcatataata tgttatataat agtttttaaag aaaattctat 180  
 cactgtcttc ctatgggtag ggctataatg tccagttctt tcagggatta agagggtagg 240  
 gtctgaagtt aatccttggt tgtcgtaatg ttattaattt attcaaccaa gacttaattg 300

<210> 245  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 245  
 tagacataga aaacatacag taagaatatg gtattataat cttacgggac cactgtcaaa 60  
 tacgcggtct gtctttgaaa agttgtaatg cggcgcgatga ctataaatac ctagctgggt 120  
 agcatttaca ttctttgcca gggagtttga aattttatact atagaaataa ctttaggttt 180  
 taggtagagt taaagaggta aagcacatgt tgccacaacc caggaaagta tttttaagaa 240  
 agattggatt ttctacctt tagagatcta aaaaaattt aatataaaaa atcattttgt 300

<210> 246  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 246  
 tggaatatatt gctgtgaagg gagaaaggga gagaaaactc ttctgaggat catttgtctt 60  
 ggtagtatag taaaaccaac cagctgaacc ttccaggcta caagagaacc cgggtcggta 120  
 atgtcttttt aagaataatt tttaattgct tataacaagc atattttgtg gcatttgaac 180  
 tatatttact gtcctaatat ccgttatatt ccaaaggatt ttgtatcttt ttgaaaatgt 240  
 ttacatcatc agatgatcca cagaattcac tttatgtgag atctcccgag agtttccatc 300

<210> 247  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 247  
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 gaagactgtc agaaagaaga ggagacaaaa caacaacaac ttcaagtgtc tcagaatgag 120  
 attgaagaaa acaagctcaa actagtccaa caagaaatga tgtttcagag actccagaaa 180  
 gagagagaaa gtgaagaaaag caaattagaa accagtaaag tgacactgaa ggagcaacag 240  
 caccagctgg aaaaggaatt aacagaccag aaaagcaaac tggaccaagt gctctcaaag 300

<210> 248  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 248

gagaggatca	cttgagctta	ggagttcaaa	tccagcctga	gccaacataa	caagactttg	60
tctctaaaca	aaacagttat	tgtttaaaga	atctgaaatc	ttcatcttta	attcaggtag	120
caatgaatcg	agcccaagtt	tgtttgatat	ccagttccaa	gtctggagag	aggcatcttt	180
atcttattaa	agtatcgaga	gacaaaatat	cagacagcaa	tgaccaagag	tcagcaaatt	240
gtgatgcaaa	agggctatca	aaggaggagct	ttttacagag	aactaaggaa	gagaaggagg	300

<210> 249

<211> 300

<212> DNA

<213> Homo sapiens

<400> 249

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tgggtggctca	cacctgtagt	cctggctact	gaggaggctg	atgcaggaga	atcatttgaa	120
cccaggaggt	caaggctgca	gtgagctatg	attgcaccac	tgcaatccag	cctggacaac	180
acagtgagac	cctgcctcac	aaaaattata	ttctgatttt	ctgagtccat	gaacacattg	240
tccaaatgga	tttttctagc	tcctccaagt	tacagatagt	tccacgcaca	cacagaactc	300

<210> 250

<211> 300

<212> DNA

<213> Homo sapiens

<400> 250

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acaagggacc	acaaggacgg	gggcagtctc	cagacttccc	ctgggcgctt	gacccagggc	120
cttgacgggg	agagagccag	ggcctccctc	aggtctttgt	tcattgctgtt	ttccctgccg	180
tggacacct	ttcccgtctc	ccgattctct	aaatcctgcc	ccatctccca	gatcttggtc	240
atgtccaagc	ttttccagga	agtcttagca	gtccccacac	cgcagagctc	gagatgtctc	300

<210> 251

<211> 300

<212> DNA

<213> Homo sapiens

<400> 251

gaaggcagaa	gtgtaaata	acatacagaa	gaaggagaaa	gcctgctgtg	tttggcttgt	60
tcagcagggt	attatgaatt	agcacaagta	ttgcttgcta	tgcattgctaa	tgttgaagat	120
cgagggaata	aaggagacat	aactcccctg	atggcagctt	ccagtggagg	ttacttagat	180
attgtgaaat	tattacttct	tcattgatgt	gatgtcaact	cccagtctgc	aacaggaaac	240
actgcgctaa	cttatgcatg	tgctggagga	tttggttgaca	ttgttaaagt	gctccttaat	300

<210> 252

<211> 300

<212> DNA

<213> Homo sapiens

<400> 252



gcacttctct	ctcactggaa	agagaactgt	tctcctttct	ctttcttctg	cctattaagc	60
ctctgctcct	aaactcctca	tgtgtgtctg	tgtcctaaat	tttcttgga	tggcaggaca	120
aaccccggt	atttaccaca	gacaacaaaa	ccgcttcact	atgatgtatg	catgctgcaa	180
aggaagagac	agaatcttgc	tctatcaccc	agctggagt	cagtggcacc	attgcagctt	240
actgcagcct	caaactcctg	gctcaaggga	tccttcagct	tcagcctcct	ggttaactag	300

<210> 253  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 253						
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gccactgcac	tctagcctgg	gcgacagagc	aagactccgt	ctcgaaagaa	agaaagagaa	120
aggaaattcc	ccagggaagt	acctcggctt	atttcataaa	caggtactga	aggaagcaga	180
ggcatgtgga	ggacttcccc	acctcgtgca	gctatttggg	ccgtggcatc	tgaaatttct	240
tatttcagag	tcaccccttt	gatgaccttg	gcagtgaact	gcagtcattc	gtttaggcct	300

<210> 254  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 254						
atgttacaga	catgaaatat	gaacagaatg	ctaaaagaac	<del>ataaaagaat</del> aagagctcct	60	
taaagattat	aaataaatgg	tgatgttaaa	gtaatagcac	cattggacga	agctagggaa	120
tcaacacttg	acagaaagat	acatattttt	tttatacaaa	ctacatatat	ttgagcaatc	180
aagtagtaga	catagagaat	tttcttttta	tggaagtact	ctaataagta	aagggctgat	240
agaattatat	cagcattttc	tagctcctgg	ggaattatgc	attgggcatc	catggctgct	300

<210> 255  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 255						
gctgcctgtg	gcatagccac	tgctgtacgt	ttttggttgt	tnntaagaaa	ctcgatgaag	60
aggggtgtca	ttctgggctc	gggggtggtg	ccaatttttc	accagaaagg	gagccacccc	120
ttgcaaccac	ttctgtctcc	gttagccccc	cctctgccct	cctccaagcc	aaagcgtggc	180
ctggcctttg	tcttcccat	tagttttcct	cttttaccct	tccttttgtg	cttaatttat	240
taaaatagtt	gctgtataat	ttattttcat	aaactataaa	aaaataactaa	atgggttaaaa	300

<210> 256  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 256						
acagtctcgg	gtttcatatt	ttgctgtttt	tgatggacat	ggaggaattc	gagcctcaaa	60
atttgctgca	cagaatttgc	atcaaaaact	aatcagaaaa	tttcctaaag	gagatgtaat	120
cagtgtagag	aaaaccgtga	agagatgcct	tttgacact	ttcaagcata	ctgatgaaga	180

gttccttaaa caagcttcca gccagaagcc tgccctggaaa gatgggtcca ctgccacgtg	240
tgttctggct gtagacaaca ttctttatat tgccaacctc ggagatagtc gggcaatctt	300

<210> 257  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 257	
atagaactag gcactgattt gtttatattt atcctgctcg agacacatga tgtttcatgt	60
atctgtggct ttttatagtt taaaataatt tctggaaaag tcatagtcac tatctcttta	120
accgctccct ctcttccatt ctctttgttc tctcttcctc gaactcctgt tagtcatttg	180
atcctccata tctctgaata tttttgtatt tcttttatta tttatttctt gtctctgcta	240
cattttacat tgagtaaaag tgggatgtga cagtgggaaa tcattagtga cttagaaatt	300

<210> 258  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<400> 258	
tactctatta tattgtgcat gctcctgatt tagctgctct tggcatcatt ggtcgcagtg	60
gaaccttgaa atgcatctgg ctagatttat gctcaaatca ttctcagtta gccttttagt	120
gcctcttcaa aggttttttt ttgtatgttt tctattctta ataaaagctt aggattaatt	180
agaaagaatc tgatatgggt atgtttcccc ttgtgtacgc tgacctcatt catacgtttt	240
tcatagtcca gtggtctaaa cgctttcaag agcccagctc cttgg	285

<210> 259  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 259	
gccttctctg gcctcaccaa ttaggtcaaa tgttccttag aatgtgttgt ggggcatggt	60
ctctccctgt gaggacctgt ccagctggac ctccgccttc ctgcgactgt attggtgtct	120
ttccctctca agcctatgag ctctgcaagg gcagggacct tgtatgattt tgccatcgt	180
atgtctcca gccccagca cagcgcttg tgtccagtga gagctcagca aatactttgt	240
gagttaagga caggcggctg ggtagatgga tcgtctgcct agacagggca gttattcgt	300

<210> 260  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 260	
gaaaagggag ccgcgcagcg cctacgggag tccggcggca gcagccggta ccggcaacca	60
cgggcagctc tcagggaaac tccgtcgtga ggccagaggc tccagtcccc gcgagtccag	120
atgctgtcc agcctccaag caaagacaca gaagagatgg aagcagaggg tgattctgct	180
gctgagatga atggggagga ggaagagagt gaggaggagc ggagcggcag ccagacagag	240
tcagaagagg agagctccga gatggatgat gaggactatg agcgacgccg cagcgagtgt	300

<210> 261  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 261  
 tttgctttca gtggttggct ttcactgaaa gaaagtgtaa aaaaagtcag aatttatagc 60  
 tttcactatg tccaagacta ggactgggtt ataaagattt tcttttgtga aggaaaataa 120  
 aagaaaattt gccactactg catttacttt actattgtaa acttaagatt cattccttag 180  
 tctttggaat tttgatgtct caaaaccaga tgagtggag tgctgaattt gcaaaataaa 240  
 gctaagaatg cttaactctg cactttaagt tctactctga ccaaattgaa gatgagcaga 300

<210> 262  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 262  
 ttttttaaga gataaggtct tgctatgtta tctaggtcgg cctaaacttc tgggctgaag 60  
 tgatcctcct gtgtagctgg gactacaagc atgtgccacc aatgcctggc ttctcacact 120  
 gttttgtaac atagatatgt gaagatgtgt attatagaat tgtttgtaat actgtagtgt 180  
 tgtaggcaat gtgactgtct atagggaggt ggacagggtta tttgtggtaa atactcatgg 240  
 aaaacggtca agcagttaaa agcaatcaat tatggtcacc cagcaatgca gataaatctt 300

<210> 263  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 263  
 agaacaggga gaagagagga agagggagct gcaggtgcc aagagagaaca gggcggactc 60  
 tcaggacgaa aagagtcaaa cctttttggg aaaatcagag gaagtaactg gaaagcaaga 120  
 agatcatggt ataaaggaga aaggggtccc agtcagcggg caggaggcga aagagccaga 180  
 gagttgggat gggggcaggc tgggggcagt gggaagagcg aggagcaggg aagaggagaa 240  
 tgagcatcat gggccttcaa tgcccgtct gatagccctc gaggactctc ctactgtga 300

<210> 264  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 264  
 ttaaaggtag ttttagaagg aagtacaaat tggctttcat cttgcaaaca atcgtttttt 60  
 acttcattat cttaatttgc tttgtcactc ataaaaagga aaccatacct gagttgtaga 120  
 caatgaggaa acacttgagg cttctgctgt gtgttctttt gttattgttg ttattgttgt 180  
 tactcagtaa cttgaatatt gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt 240  
 taaaaatggt aatgtacaaa tgtgaataga cacttatcta tataatatgg gtaagttttg 300

<210> 265  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 265

caggaaagtc	ttcctagagg	taatTTTTaa	gctgattggt	ttagaattag	tagaagcttg	60
ccagatggaa	aagtccaggc	aaagtgtaac	atgaatggga	aaggccacag	tctagaaatg	120
gcagagtgtg	ttcctagttt	gtttgtttgt	ttgtttgtac	ctgccttggt	ccaggaagga	180
tttaatgtgg	tttatattcc	agtcctTTaa	tgctggaagg	gctgagatga	gactgaaaga	240
tgggcaggaa	gtatatcatc	acaagctttg	tgtttgatgt	taatgtgtat	gatttttata	300

<210> 266

<211> 300

<212> DNA

<213> Homo sapiens

<400> 266

tgTgccacca	caccagctc	attattatta	ttattattat	tattattttg	agacgaagtt	60
tcactcttat	ccccaggct	ggagtgtcaat	ggtgcgatac	tggctcactg	caacctctgc	120
ctcctgggtt	caagcgggtc	tcctgccttg	gcaggcacct	gtagtgtcag	ctactcgaag	180
gctgaggtgg	gagaatcgct	tgaacctggg	gggcggagat	tgcaatgggtg	tggtctcggc	240
tcactgcact	cgagcctggc	gacagagcaa	gactctgtct	caaaaaaaaa	aaaaaaaaaan	300

<210> 267

<211> 300

<212> DNA

<213> Homo sapiens

<400> 267

atataactct	ggaggtcagg	acataggaga	tattgattca	ggacttgcca	gagtatggtc	60
ttgggggtgtg	ccctgatatt	acaaacaggg	atcttagtgg	ctagggtgatg	aggccatggc	120
aaatgtagat	ggaccaagat	caatttgctt	ttctagatga	ggttttctag	gtgaaatggt	180
tttgaaacta	ttttgtagcc	tagtataatt	tataaaagta	gagagaaaact	ataaatataa	240
atttgggaagg	ggttagctaa	aaggagaaaa	cagcagaatc	ttcatatata	tagaaatgga	300

<210> 268

<211> 300

<212> DNA

<213> Homo sapiens

<400> 268

cctacttatt	ggatgttggc	tcttttgtgt	catggagatg	gctttactgt	aggtttgtgt	60
gtgttgcatt	acttttcatt	gggattgaac	tgagaaataa	caaacaagct	ttaagtggga	120
aattaaaaaa	aagaagtaac	ctatgtagat	ccaaacttaa	aatgtgagaa	attattgaaa	180
tttcattttc	tacaaacttg	aaattagcct	gctaattgta	aagttgtttt	aataatgctg	240
acaaatgtca	gttacgtttg	caaaggagtg	tatggttcta	ggtatttgcc	tactgtttacc	300

<210> 269

<211> 300

<212> DNA

<213> Homo sapiens

<400> 269

cctacttatt	ggatgttggc	tctttggtgt	catggagatg	gctttactgt	aggtttgttg	60
tgttgcatta	cttttcattg	ggattgaact	gagaaataac	aaacaagctt	taagtgggaa	120
attaaaaaaaa	agaagtaacc	tatgtagatc	caaacttaaa	atgtgagaaa	ttattgaaat	180
ttcattttct	acaaacttga	aattagcctg	ctaattgtaa	agttgtttta	ataatgctga	240
caaatgtcag	ttacgtttgc	aaaggagtgt	atggttctag	gtatttgcct	actgttaacc	300

<210> 270  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 270						
cctacttatt	ggatgttggc	tctttggtgt	catggagatg	gctttactgt	aggtttgttg	60
tgttgcatta	cttttcattg	ggattgaact	gagaaataac	aaacaagctt	taagtgggaa	120
attaaaaaaaa	agaagtaacc	tatgtagatc	caaacttaaa	atgtgagaaa	ttattgaaat	180
ttcattttct	acaaacttga	aattagcctg	ctaattgtaa	agttgtttta	ataatgctga	240
caaatgtcag	ttacgtttgc	aaaggagtgt	atggttctag	gtatttgcct	actgttaacc	300

<210> 271  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 271						
ccacatttaa	gtgagatatg	ggaaggagga	gcagattggt	tttgaagggg	ggaagagcag	60
ttacttaggg	tcaaattaag	ttgtaaaatc	ccccccggga	ttttgtatgt	aagtcaaagt	120
gaattgtatt	tggaagaaga	actggggagc	ccacctcttg	tatttttttt	atgtccctca	180
tatggacaaa	taaacctctg	gtattaaatg	aattttcttt	tgggggattc	tatatattcg	240
ggatttcaac	caccaacctt	tctgggtttt	cccgtgaaa	tgttgggtga	tggaatcagg	300

<210> 272  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 272						
gaacgcttcc	attttatacc	tgtgtctagt	tagtttctgc	ctatctatcc	aagaagcttt	60
tatcaagggg	ccaccatgtg	ccagccactg	aagtagatat	aaatacaagg	atgtgtaagg	120
tatggatgat	ggtatacgaa	ctgtcatctt	actggatttg	tccgctctgt	taaagatacg	180
gttccgaaaa	ctttttaaag	ccctagagag	ggctttaagg	caatgtagca	tcatatatag	240
aggcatcaac	ctgttcatat	ctttctatct	aacagaactg	tgcacctggg	cacaaggggtg	300

<210> 273  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 273						
gaatggcgtg	aaccggggag	gcagatggtc	ttaaagtggg	gagacccggg	ttacaggcct	60
gactgcatca	ctaactcgct	gtgtgtccct	gggcaagtca	gtgcagtgca	gtagcctctc	120
cgtctccgac	tgaggagcaa	agccctcggc	tcaagatcct	cacctacttc	acagggattt	180

gaaatagtgc agtcaacagg aaaagaaaag cgctatagaa atgctcgacg ctatcacttg	240
gggcccacgt ggaagtatca acgtataaat tggcccaggc agacagaagg atgcagggga	300

<210> 274  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 274	
ggaaccaggg gctgcagaac cagccccctcc ccaatgagga cccctctctgg acgccccctcc	60
ccatggagaa caccaggagc cacagacccc agaccacagg agcacacagg ggagggcacg	120
gggcggccgg ggcagggtgt ctgctgcctc gtttatggga tttgctccgc gtctagcaca	180
ctgctgcctg cagtgcctct gtcccctgca gtggctactc tgggcctacg ggcctaattcc	240
tggttggcat gaaaatgtcc tgaggctact gtgacaaatt tccacaagct gagtggctta	300

<210> 275  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 275	
ctttgggaag cagaggtggc aggatcattc cagcccagga gttcaagacc agcctgggca	60
acacagtgag tgagaccctg tctctattta agaaaaaata attaagaaat tttattaaaa	120
aagaagaatc aggaaaccaa gtccaaccca actaaacctc aaatgaacca gccctaaca	180
cagatgaggg gatttgggac tgataagctc tgtgtgtgtt ccatggcccg tcatttatca	240
aggctgcagc tttgtaaatg tggtatattt tatgttgtgt atagtttcta tcatttattt	300

<210> 276  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 276	
tttgtatttt tagtagagac agggtttctt catgttggtc aggctgggtc caaactccta	60
acctcgtgat ccgcctgcct cgacctccca aagtgctggg attacaggca tgagccacca	120
tgcccagcca aagatcattt ttttatatag acttcagccc tttgtaaata ttgtaactgg	180
ggagtataga gtagaaaaaa agtatagtta aaacatttgt tctacaaatt aacctttaaa	240
aatataatta ctgctaaaaa tagagtgtct ttacacttaa ggaaaattag tgccattttg	300

<210> 277  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 277	
ctcacacagc atgtgtcaga tccatggggg aggagtcggc cagagacttg gtaacagaca	60
gattgctgga tcccaccctt agactctctg attcagttag tttggggtaa ggcgcaagac	120
tgaatttttc acaagtttcc cagtgggtgt gatacttctg gtccaggaac ttagtgggag	180
agaacgacta atctagacca tttcatttca cattctgagc ttcttgtaca ctgtcacact	240
gcaccccttt aacaatgcat tccctatcct attgcaatac tgacatctca tcaatatttt	300

<210> 278  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 278  
 ctgacaactt gattgggttc tccttcaggt ttgaagcgcc ctcgagaagt gtctaaagga 60  
 gacagttgat agccaaacaa cagttttgga ttcactgact gattatgaaa gaagcagtag 120  
 actggtatca agaatcagtc agcaaggagg ccctcaccag acgccagtgc catgttcttg 180  
 gacttctcag cctccatatt catgaactaa gtttttggaa tccttaggct tccacgtgtg 240  
 gaaagcctga gctaacctac tggaggatga gccatcacct ggagcagatt caggccatcc 300

<210> 279  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 279  
 ggtaaaccta tttatataat agaaggatga ttataaacat ttaataaatt atatcaaata 60  
 gatattatat attaaatggg cagataatag aaatctgtcc aagcaaaact ctggataatt 120  
 tttatgttgc cttatTTTTT gttttctgtg aactccaaga aaaatgagat accagtttgg 180  
 aacagatgta atattgtctga ttttaacagtt tagggatact cccaagttc aataattttg 240  
 ccaagataca aatttaaagt gaacctttta tgaagcttca tagtgtgtga agaacttacc 300

<210> 280  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 280  
 ataactgctt gcgaagatgt agtttctctt tggaaagcta cacacacgag attatacaca 60  
 tcaggcactg gaactatctg taatactgga acctctgcga agtgccaggt ataaagtttt 120  
 tcccactgcc aagcatccag agctttggga aatttggaag tcagagagat cagggcattg 180  
 ttttgttctt ctgatgatga aagtgaagag caagtactac tgaagtctgg aaatataaaa 240  
 gctgtgcttg gcctgacaaa gaggaggcta gttagtagca gtgggaccct ttctgatcaa 300

<210> 281  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 281  
 caccatcgaa tattttttatt tatttttgaga gacagactct gtcacccagg ctagtcttaa 60  
 actgttggtg aatcttaagt gattctccca cctcagctc ccaaagtgtt gggattacag 120  
 gcatgagcca ctacccttgg ctgtgatcaa gtatttagtc tggtgttaaa tgtttactaa 180  
 atagtctgaa gtagagaaaa tagcacccaa tctaaaataa ggtgaggtct agtcacttat 240  
 ttaaactctac attttaagct atagtttact attagtttaa actttaagac aggtaatggt 300

<210> 282  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 282

gcaaccttcg	cctcctgggt	tcaagtgatt	ctcctccctc	agcatcccaa	gtagctggga	60
ctacaggcac	gtgccaccac	acccagctaa	tttttgatt	tttagtagag	gcagggtttc	120
atcatgttg	ccaggctgg	ctcaaactcc	tgatctcaag	taatctgccc	actttggcct	180
cccaaagtgc	tggcattaca	ggaatggagc	caccgcgcc	agcctgattt	cttttttttag	240
gtcttgtcag	gaaagatatt	gattcttttg	attcgtgaac	atgggttttg	gtcgtcttta	300

<210> 283

<211> 300

<212> DNA

<213> Homo sapiens

<400> 283

cccaggtagc	tgagactacc	cacaccttgg	tcccagctac	ttgggaggct	gaggtgggaa	60
aatcactttg	cccaggaatt	caaggccgca	gtgagctatg	attgcaccac	tgcactccag	120
gcaacagagt	gagaccctgt	cttaaaaaaa	gaaggagaa	agtgtcagat	ggtgatgagg	180
tctggggggg	aaatagagaa	tggggatcag	gagtgtggat	ggtggtattc	cctcaccaag	240
aggtgacatg	tgagcagggg	gctgggaggt	gaggggtgtg	cccgtgtgga	aatcagggaa	300

<210> 284

<211> 300

<212> DNA

<213> Homo sapiens

<400> 284

ggtgtcctcc	ccagtgcgcc	gcgatttttg	tgtccaagcc	ccagagtccc	tctgagacca	60
acccccagcc	agcacagact	tcttgcttc	ccagctcgga	agcgccctcg	agaagtgtct	120
aaaggagaca	gttgatagcc	aaacaacagt	tttggattca	ctgactgatt	atgaaagaag	180
cagttagctg	gtatcaagaa	tcagtcaggt	ttttggaatc	cttaggcttc	cacgtgtgga	240
aagcctgagc	taacctactg	gaggatgagc	catcacctgg	agcagattca	ggccatccta	300

<210> 285

<211> 300

<212> DNA

<213> Homo sapiens

<400> 285

aattccgttg	ctgtcgggcc	gccatgtcat	tctggagaga	gacagagtaa	aacaaagaag	60
gtgatgggta	aagcgcagtc	gcctgctata	tattgtctat	ttttggtttt	tcacttacct	120
tttatattta	tgtcttttat	gtacaacagg	attataagta	gcttgagtcc	agtgaatata	180
ccatttcatt	ttgctatcct	tcactgcact	tagcttagag	gaaataatca	cagcttatta	240
ttgattaatt	aattaattaa	tagatgaatg	gtgaacacat	gactatcatc	ccaagaaatg	300

<210> 286

<211> 300

<212> DNA

<213> Homo sapiens

<400> 286



agccaatgag	gcttttgcct	gccagcagtg	gacccaagcc	attcagcttt	acagcaaggc	60
tgtgcagagg	gcccctcaca	atgccatgct	ttatggaaac	cgagcagcag	cctacatgaa	120
gcgcaagtgg	gatggtgacc	actatgatgc	cctgagggac	tgctcaagg	ccatctccct	180
aaacccatgc	cacctgaagg	cacactttcg	cctggccgc	tgctctttg	agctcaagta	240
tgtggctgaa	gcctggagt	gcctggacga	cttcaaagg	aaatttcgg	agcaggccca	300

<210> 287  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 287						
gggtgacaga	gtgaaactcg	tatctccaaa	caaacaaaca	aaaagtcctt	aaacatatgt	60
gaacaaaaat	tttgtgatgg	aaggattcta	gttaatgagt	attgcatcaa	gatttacatc	120
tttcttacta	aggaaaagag	ttaataaaaa	ttgttcttta	ttttacaggc	agttactgag	180
gctcttccca	gatctcagta	aacagccact	cagccttgaa	aatggagtgt	tggtgtttct	240
aaacatatat	ttatgtcatt	tattaagtac	agttcactta	aataacataa	gtagattttc	300

<210> 288  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 288						
accactaaca	gcattactt	gactactgat	actttgatca	tgtagttagg	gcattgccact	60
tgatagaaat	ttgaagagca	attatatatt	tcaaaaagag	ttttgaataa	tgtaagata	120
gattgcaaca	tgactatcaa	ttcttccctt	ccatcaaag	gagagagtcc	gtttatccag	180
cctttgaatc	ttgattattc	aagtgaactt	cttcacccaa	tgtaacatta	ataagcacia	240
tacaagcaga	ggcttgccaa	gaacttgggt	tgtttctaat	gcttagaaga	agaatggtgt	300

<210> 289  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 289						
tgctcttata	tgaaattcag	cgatcttcat	gaataagcat	ttctctgatt	gtggnatatg	60
cctttaattt	tattttctaga	gtgacaaatt	tttggttttg	acagtttttt	tctagcttta	120
tagttttctt	ttggggagag	aatatgtcaa	cctcactcca	tcattgctgaa	gtaaatcttc	180
atctcttaat	tttatctctc	aaaaatatcc	taaggattcc	ctctggagcc	tgataagtaa	240
ttgcagtata	tggtttctat	ggttggatga	ttcaggattc	caggaataat	agttactttt	300

<210> 290  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 290						
ggaaccatga	gaaccgaagc	tagaattgct	attgaattac	tttattttct	cttcccttat	60
tggttagaga	tacatcatta	ctggcctcag	gggtttaccc	aaagaaagg	tatttttgag	120
caaataatgt	gatttctctg	ctattttgtt	gggggcttaa	gatttttttt	tttcaaagtc	180

atcttttagtc actaaaaatt aactgtcgtc ccatctagaa ctatactgtc cagtaccata	240
gcctctagcc gtatgtagct atttgtatta agattaatgg aaatttttaa tccagttcct	300

<210> 291  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 291	
tatgatttta tttttggcct aatataggaa tgtttaaaaa aggcttttct atgaaaatta	60
gaaatttata cttgaaatta aaagtctaca agggggagga ccttaaagct aagctaccag	120
taagacaatg aataattcag aagagaacac tattctttta ctgactgagt gccaagatg	180
ccaatttcca tgaagtcttg atttatatat atgtacacat gttatgcaca tacatgtttg	240
ttttctaaca gttattcttt aagcttttga gataatttta gacttacaga agagttggaa	300

<210> 292  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 292	
cccagacctt tggagtcaga cagtaggttt gaggcccagc aatctatggt ttaacaagcc	60
atccaggtgt ttctgatgca cagtgaattt ggggtaccac tggattagg tttggtatgg	120
caactttttc atcacttggt ttatgtagtt gtctgatcaa ttgtgaaaac ataatgaatg	180
ttggaaatgg aacagtaaaa taacgaaagc caactttttt tttttttttn nnnnnnnnnn	240
nntgnttttn cccccaggnt gnanngcagg gncccaat	278

<210> 293  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 293	
ggaaggcagt gggaggagag gaccaagtct caaactccag aagccccacc tccctgagct	60
cagctcctct gccaaagccc ctgagcgga agtcctcgtc cagagaaggc aacggcgaga	120
aacaaatcca acatcctggg ctgctttttc cttccccac tttttaaaag tttggtgtcc	180
aagtcacttg acaaaccag accctaaca tgatattttg tgtagaatc tgggatcaaa	240
atataatttc aaaaataata tattttctga catcccccaa aaaaaaaaaa aaaaaaa	297

<210> 294  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 294	
ggaacagttt gagcaaaggc tctcaagtaa tagggtgtct gacttgttca tttttgaaag	60
tagaactaat aggatttctt attggaacgt aggggtgtaag agaaaagagg agtcaaaaag	120
agccacaaga tttttggtct cagcaattag aaggatagaa ttgacattta ctgagatttt	180
tgttttgtt tttgagacgg agtttcgcta ttgttgccca agctggcgtg caatggcgtg	240
atctcggctc agtgcaacct ccacctccca gattcaagcg attctcctgc ctcagcctcc	300

<210> 295  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<400> 295  
 gtaatattga tgtgattggt gtcgcttgag aaaaaaaggc aacagctgat tctttcaaca 60  
 actgtcacag aatggctggg ctgagaacgc tgcccagggc cctgcagctg gcgggagnnn 120  
 nnnnnnnnnn nnnnngtgcn tgctgcaaca tntgggtana tngtatectt ccctanagnt 180  
 gctacnctt nnatcccctt gtnaatatgt tgagntnct tngcnttcnn gntnntccng 240  
 ntnnttgaca cntatgnaan ttntntngtc tngctctgct ngatnncttn nangctgcc 299

<210> 296  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 296  
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 ctactcaatc tgacttagta aaaccatgct gaaaaatttt ggtctaaaaa ggacccatac 120  
 ccagcaccca tgaaataaaa gattcatctg taattgggat tcaaagggat taaattcctt 180  
 tggtcatact cataaatagc actaaagtgt tataacattt tcatttacct attttttagtt 240  
 ccttcatttt aacttaataa aaatcttgga ttgatattct tttttttttt ttttgggacg 300

<210> 297  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 297  
 gctaggatta caggtgtgag ccaccatgcc cagccactta tctttaaagg attaagttta 60  
 tgtttcctac tatgggaaac catcccaccc caaacttgat gaccgcatta tgtgctttta 120  
 tagaacatgg cacttctcca ggatagcatt tattctgttt tgtaagtgtg aatgtaatta 180  
 cctacacac agcatacaca taatcttcat attctttgcc ttgtcttggt aaggcaaggg 240  
 ccatgtctat cttattcgtc attagattcc cacatccaac atagtctgg ggacagcacc 300

<210> 298  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 298  
 ccaaactctgc ctagagattg agttcacagt gtatgttctg ggggcgctgg tgcagtcagc 60  
 ggtccagtcct ccagcctgca ggcgtgcaca ctgggggtgga cgatgggtgg ccccgaggt 120  
 gtacacattt ggggtggccc ggcccctata cccagtggt ctctttgatc cagtcccgaa 180  
 acagaggggag ccttgtgtac acgcctccaa agtggagctg ggaggtagaa ggggaggaca 240  
 ctggtggttc tactgacca actgggggca aaggtttgaa gacacagcct ccccgccag 300

<210> 299  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 299

ctccattgtg	aagatccagg	cattttttccg	agccaggaaa	gccaagatg	actacaggat	60
attagtgc	gcacccacc	ctcctctcag	tgtggtacgc	agatttgccc	atctcttgaa	120
tcaaagccag	caagacttct	ctgctgctgt	gatctgcaca	ccctccaacc	tgggcagggg	180
ctggggggat	gcagtgtgtg	ttagtgccca	tgtggcattg	tggcactgtt	gccccccatg	240
gcggcatggg	caagatgacc	ttccattagc	ttcaagtctt	gttctcttgt	ctgtggtctg	300

<210> 300

<211> 300

<212> DNA

<213> Homo sapiens

<400> 300

agcaattcca	ctcctagctc	cacccacagg	aattgaaagc	aaagacgcaa	acagatgcct	60
gtgcacaaaa	gttcacggca	gcacccctcg	ccatagtggc	agcatccgtc	gtcacagcgg	120
catcatcctt	catcatagcg	gcagcatccg	tcgtcacagc	ggcagcatcc	ttcgccacag	180
cggcagcatc	tgtcgtcaca	gcggcagcat	ccttcgccaa	agcggcagca	tccttcgtca	240
tagcggcagc	atcctttgcc	atagcggcaa	ggtggaaacc	ctgtccatcc	actgaggcgt	300

<210> 301

<211> 300

<212> DNA

<213> Homo sapiens

<400> 301

tcacagatat	gaaagtccag	tcagaggggc	tgggccgaca	tctgtgcttt	tccttgccag	60
atttttagga	tcagtgcagc	ggtgtgtatt	tggaagcatt	tcaaattgtg	taccatcgta	120
ttacttccgt	gggcacctgg	tgttattggg	tggactagtc	aggattctcc	agagcagcag	180
aagcaatggg	atgtgtgtgc	atgtgtttgt	gcagagacag	aaagagagat	tttaaggaac	240
tggcttatgc	agttgtgggg	gctagcaagt	ctgaaatttg	cagggcgggc	cagcaagctg	300

<210> 302

<211> 300

<212> DNA

<213> Homo sapiens

<400> 302

tcaccaggaa	tacagtgcac	ttaaaagtgt	gatatggttt	agctgtgccc	ccacccacat	60
ttcaacttga	actgtatcta	tctcccagaa	ttcccacatg	ttgtgggagg	gacccagggg	120
gaggtaactg	aatcatgggg	gctggctctt	cccgctgat	tctcgtgatg	gtgaagtctc	180
acgagatctg	atgggtttat	caggggtttc	cacttttgtt	tcttcatttt	ctcttgccac	240
cagcatgtaa	gaagtgcctt	tggtctccta	ccatgattct	gaggcctccc	tagccatggg	300

<210> 303

<211> 300

<212> DNA

<213> Homo sapiens

<400> 303

gccctctcca ttttctgagg aggtgatatt tgggcagatt acaaactgag gaagcatact 60  
 ggatagacat caggatgaag agaataggca gttgaaaagt cccagaaagg ggagtgtgct 120  
 tagagtgttt gaggaacagc aaggaagcaa gcccttggtg aaacagattg agcaaggtag 180  
 aaagtggtaa aagatgaagt taaagaggta gctgagagcc agatcatgta aagccttggt 240  
 aaggactgac ttttatttta agaggggttag gaagacattg gtaggttttg actctggctt 300

<210> 304

<211> 300

<212> DNA

<213> Homo sapiens

<400> 304

aacaggaata tggaaagaaa ctcagagccg agttagtggg aaagtggaaa gcagagagag 60  
 aggctcggct ggcaagagga gaaaaggaag aggaggagga agaggaggaa gagatcaaca 120  
 tctatgcagt caccgaggag ggtcggacg aggaaggcag ccaggagaaa ggaggggacg 180  
 acagccagca gaagttcatt gctcacgtcc ctgttccctc gcagcaagag attgaggagg 240  
 cactggtgcg aaggaagaaa atggaactcc tccagaagta tgcaagcgag accctgcagg 300

<210> 305

<211> 300

<212> DNA

<213> Homo sapiens

<400> 305

aatagtagaa aggggtcccca ttctgtctca gcaccgcacc tctctacccc cccacagaca 60  
 cacatgcaga cacacacatg cagacaacac gcagacacac acatgcaggc actcacatgc 120  
 aggcccatgc acacacacgt gcacacacat gcagagacat gcagacacgc aggcacacat 180  
 gcacacatgc aaagacacgc atgcaggcac acgcagacgc acacagagac acacatgcag 240  
 atacacatgc acacacacat acacacactg gcccctggtt ttctgtggtg tcaactgggtg 300

<210> 306

<211> 300

<212> DNA

<213> Homo sapiens

<400> 306

cagcaaagac tttatTTTTg tacagaagat ggtgaagtcc aagacggtgg ctcaagtgcgt 60  
 ggagtactac tacacgtgga aaaagatcat gcggtctggg cggaaacacc ggacacgcct 120  
 ggcagaaatc atcgacgatt gtgtgacaag tgaagaagaa gaagagttag aggaggagga 180  
 ggaggaggac ccggaagaag ataggaaatc cacaaaagaa gaaggagtg aggtgccgaa 240  
 gtccccggag ccaccacccg tccccgtcct ggctcccacg gaggggcccgc cctgcaggc 300

<210> 307

<211> 300

<212> DNA

<213> Homo sapiens

<400> 307

gctgcttctg gctggggggg ccttgccctt catcctgctg agggtgagga ggaggaggaa 60  
 gagccctgga ggagcaggag gaggagccag tggcgacggg ggattctacg atccgaaagc 120  
 tcaggtgttg ggaaatgggg acccgtctt ctggacacca gtagtccctg gtcccatgga 180

accagatggc aaggatgagg aggaggagga ggaggannnn nnnnnnnnna ntggccttnt	240
gtggcctcca ccagcagctn tnnannatga catggagtcc caactgnacg nctccctcat	300

<210> 308  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 308					
agttaagagt gtgaacccta gatttgccat ctgaaagtca tgtgtccttc agtgatgcat	60				
ttaacctctc tgtgectcaa atttctccct ctgggggatg ttaggagtat acaaattaac	120				
acatgtaaag tgcttagaat agattggtac tggttaaata gagctaacgt cacatttgat	180				
atttttttaa aaagaaaaaa tcattatgga gtctcagtc tagagattct gattcattaa	240				
ttctgcttct oggcaaggag cgatttgctg gtgtagacat tccgggtccg tgtaaagggt	300				

<210> 309  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 309					
ccaacaccca gttctcactc tgtcatccag gctgggtgtgc agtgggtgcaa tgtgggctta	60				
ctgcagcctt gacctccagg acaagtgatc tcccacctca gcctccggaa tagctgggac	120				
tacagctcaa caacgccctt ctgaaagtag gactcttgga aatgaacctt gttgggagta	180				
aagctgaacc ttcacctctc ctttccagga ttctactcca ttcatacggc ctcacactga	240				
attaatggtt ctagcagcca catcactttg ttaccaatt gatctagtag taaagtcttc	300				

<210> 310  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 310					
aggaaacacc cccttataaa accatcatat caggctgggt gatctgacag agctagacac	60				
tgtcaaacaa acaaacaac aaacaaaaaa accccatcac atctcatgag acttatttac	120				
tatcatgaga gcagctcagg aaacaccac tcccgatgatt cagttacatc ccactgggtc	180				
tgtcccacaa attgtgggag ctacaattca agatgagggt tgggtgggga cacagccaaa	240				
ccctatcacc atgtaaaata atatctaatt tgtagagatt aaagaacaag ataacttaaa	300				

<210> 311  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 311					
ttntgcagat ctccagcaca agcctctgct agttgatctc acggtagaag aagggtcaaag	60				
attaaagggt atgtttggtt cacacactgg tttccatgta attgatgttg attcaggaaa	120				
ctcttatgat atctacatac catctcatat tcagggcaat atcactcctc atgctattgt	180				
catcttgctt aaaacagatg gaatggaaat gcntgtttgc tatgaggatg anggggtgna	240				
tgtaaacacc tatggccgga taacnaagga tgtggtgctc caatggggag aaatgcccac	300				

<210> 312  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 312  
 cctccctgga tgtgcagaca tggaggagga cagaaggccc agctcagtgg cccccgctcc 60  
 ccacccccca cgcccgaaca gcaggggcag aggcagnnnn nnnnnntaag ngtgtinnaan 120  
 tntnnatttn ttctnttttt ttttnnnntn aaatatnntg nnnnttttttn ntantantta 180  
 ttatnntntn nttattannn tntttttcnt ntnttacttt gttnttgatt ttannenttt 240  
 natntttttt ttgttcttct ntntattnn atctt 275

<210> 313  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 313  
 tcctgtcttc ttgccaaat gttgcatttt ccaagaccac tctggcctgc catgccaccc 60  
 attctgtgcc tataaaaacc ctgagacccc agcgggcaca cacacaagcg gctggacgtc 120  
 aagaggaaca cactggcaga agaacacatc gaaagacgct ggcaggccat tgatggtgga 180  
 acgattcgga cgccaaggga aattcggcca aggacagtag gagatcccgg ctgctgagca 240  
 gccagactcc agaggaagac taccttccca tgctatcccc cttctggctc cccagccatc 300

<210> 314  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 314  
 ataagggtgg ggccttaatt cagtagaatt ggtggcctcc taagcagagg aagagagatt 60  
 tttctttctc tctctgccat gtgaagacag tgaggagtcg gccgtctgca agccaagaag 120  
 agcccttacc aggaacagac ttggctagca ccttcacgtg ggacctccag cctccagaat 180  
 tgcaagaaaa tacatttccg tcgttgaaac caccagtcct gtggtatatt gttatggcag 240  
 cccaggcaga ctaatacgtg aagcctgctc taaatagata aaataagaaa ttactacaga 300

<210> 315  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 315  
 gtctcagtgt ggcctgtggg gctggtgggc ggcctgcgat tcgagggccc tcaggtacag 60  
 gacggccggg tagtgggctt ccacacagca tgggagccca gcaggccctt ccctgtggat 120  
 atggctggat ttgccgtggc cctgcccttg ctggttagata agcccaatgc ccaatttgat 180  
 tccaccgctc cccggggcca cctggagagc agtcttctga gccaccttgt ggatcccaag 240  
 gacctggagc cacgggctgc caactgcact cgggtactgg tgtggcatac tcggacagag 300

<210> 316  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 316

gaaatgcctc	tatgtagggtg	aagtgttctc	tctgcatgca	acaggaaaaa	ttaatataat	60
attttcccca	caaaagaaac	acttaacaga	ggcaagtgc	atttataaat	ttatatctaa	120
aggggaatca	tgattataag	tccttcagcc	cttggactct	aaattgaggg	gattaaaaag	180
aatttaaaat	aattttgaac	gaatttattt	ccccctcagt	ttttgagggc	attaaaaagg	240
cattaaatca	agacaaatca	tgtgcttgag	aaaaataaaa	ttaatgaaaa	cacagcactt	300

<210> 317

<211> 295

<212> DNA

<213> Homo sapiens

<400> 317

acactgtccc	actccatcac	ccaggctgga	gtccagtgg	gtgatcatag	ctcgctgcat	60
cctccagttc	ctgggttcaa	gccatccctc	ctgcctcagc	ctccccagta	gctggaacta	120
cagggtgtg	ccatcacacc	tggttttaca	tttttctgtg	gggacttact	atgttgccca	180
ggcgggcctc	aaactcctga	gctcaagtga	tcctctgcct	cagcctccag	agtatctggg	240
attacatatg	tcggctaccg	tgtctggccg	ttcacatctt	tggccactat	ttgct	295

<210> 318

<211> 261

<212> DNA

<213> Homo sapiens

<400> 318

cctgaatata	aagaggagga	ggaagaccaa	gacatacagg	gagaaatcag	tcatcctgat	60
ggaaagggtg	aaaagggtta	taagaatggg	tgccgtgtta	tactgtttcc	caatggaact	120
cgaaggaag	tgagtgcaga	tggaagacc	atcactgtca	ctttctttaa	tggtgacgtg	180
aagcaggtca	tgccgaccca	agaannnnnn	nnnnnnnnnn	nnntngccnn	aacnnttcac	240
caaatncccc	gggggggctt	g				261

<210> 319

<211> 300

<212> DNA

<213> Homo sapiens

<400> 319

gggacctctg	cccaagaaag	cctgggtatt	gaccaagggt	tccccccac	tgagacagcc	60
tgagatatgg	cctcatggga	agggaaagac	ctgactgtcc	cccagccga	cacctgtaaa	120
gggtcggtgc	tgaggaggaa	tagtgaagga	gggaggcctc	tttgcagttg	agataagagg	180
aaggcttctg	tctcctgctt	gtccctggta	atggaatgtc	tcggtgtaaa	gctgaccatt	240
cccattcggt	ctattctgag	ataggagaaa	accgcctgt	ggctggaggt	gagatatgct	300

<210> 320

<211> 289

<212> DNA

<213> Homo sapiens

<400> 320



caccttgccct	ggccaagggg	ctagacctcc	caggctaagc	ctcagattca	gtgcaggaca	60
caagctcatg	ccccgctctt	gccagtgaca	cttgaagcct	cccgacttcc	acagagtgct	120
tcaggacaca	ttttgagtgg	tattttcttt	tctttttttc	ttcttttttt	ttttnnnnnn	180
nnnnntngt	tntgtnnccc	aggctgnann	gcaggggcct	gatntnggnt	aantgnaacc	240
ttngcctocn	agggttaaagc	natttttttng	cctaancctc	naaagtacc		289

<210> 321  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 321						
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aagagaacgc	accagagaga	gagagaggga	gcgtgatcac	agtcctacac	caagtgtttt	120
caacagcgat	gaagaacgat	acagatacag	ggaatatgca	gaaagagggt	atgagcgtca	180
cagagcaagt	cgagaaaaag	aagaacgaca	tagagaaaga	cgacacaggg	agaaagagga	240
aaccagacat	aagtcttctc	gaagtaatag	tagacgtcgc	catgaaagtg	aagaaggaga	300

<210> 322  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 322						
cgccctttta	ctgcagttct	gctctatttt	cttttctctc	tctggagctg	agagtcagag	60
ggcccttctc	ctcctccttt	cagcccccaa	cactaagctg	atggattgat	aaatacctca	120
gcccctcgcc	ttcctcaacc	cacctggcaa	gtcttcttag	gatctgatcc	cagttttctg	180
gaagcaatcc	taccccgacc	caagcttccc	aagagtcgag	ccttaatcct	tctcacttct	240
cagtgtcaga	gcagaaatga	atcctggggg	tgactgtgtc	cattcggggt	attagcagct	300

<210> 323  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 323						
agattatgag	catgtagaag	atgaaacttt	tctccttttc	ccacctccag	cctctccaga	60
gagacaagat	ggtgaaggaa	ctgagcctga	tgaagagtca	ggaaatggag	cacctgttcc	120
tgtacctcca	aagagaacag	ttaaaagaaa	tatacccaag	ctggatgctc	agagattaat	180
ttcagagaga	ggacttccag	ccttaaggca	tgtatttgat	aaggcaaaat	tcaaaggtaa	240
aggatcatgag	gctgaagact	tgaagatgct	aatcagacac	atggagcact	gggcacatag	300

<210> 324  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 324						
gtctgagaag	tcaaggatcg	gggtgctggc	ctattcagtt	cctggtaagg	gctgtcttcc	60
tggcttgacg	ttgaactact	tcttgctgtg	tcttcacaag	catgccccca	tctgtgtccg	120
ataagaactc	cagaccccaa	actcagctca	tacacacacg	gaagagagaa	gcactctgaac	180

atcaagaaga gaagaagctg ctggacatca gaaactgtga aaggagagga gtttggtga	240
gtccagggg aagactgcct gcacattcta tccccctttc agtcccccat cctgctgtca	300

<210> 325  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<400> 325	
gtccgaagaa aaagactgtg gtggcggaga tgctctctcc aatggcatca agaaacacag	60
aacaagtttg ctttctccta tgttttccag aaatgacttc agtatctgga gcatcctcag	120
aaaatgtatt ggaatggaac tatccaagat cacgatgccca gttatatatta atgagcctct	180
gagcttccta cagcgcctaa ctgaatacat ggagcatact tacctcgtcc acaaggccag	240
ttcactctct gatcctgtgg aaaggatgcn ngtgtgtagc tgc	283

<210> 326  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 326	
atgacatcct cattatccac actgcaaagc caaccatccc tatgatgggt tcattgtgga	60
tcattgactta gtgggtcaag agtttggaag tggctcagct gggcggttct tctgctccat	120
gtggctgccca gatggtaccc tgctggtggg cagtctggtc tagagggtcc atgatggctt	180
tactcacatg cctggcatct tgacaggac agctggaagg caaggttcag ctgggactgt	240
ccacagagct cctccctgtg gcctttccag catggtgggc tcagggtagc tggacttct	300

<210> 327  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 327	
ggtagactgg ctagggatcc tggaccagc gttccacgta gcaacacctg ctgagttctc	60
tgggttttct tcctgcctca tgtagcccag acttggaagt gaagaagctg gaaacatgga	120
aacaccaaca gctacagacc aaaaaaagtc ccaacaaagg cctgtcagtc tgccagcctg	180
ttctgtggat ttccaactca agattgcagc atcaactcac acctgaagtt ctggcttccc	240
tacaaacttt gaacttgcca gtccccacaa tggcataagc caattcctta aatgaatgt	300

<210> 328  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 328	
gtcacaggca ggtttaatgg ccagtttaaa acttatgcta tctgcggggc cattcgtagg	60
atggtgagtg tttccctggg ctttgctcat cacttcggga catcgtggac tttaccgtgc	120
gcattggagt gtgtgatggt gctgagtag atctgctggc agagtagttt gagccagctg	180
gactgggctg gccgcctgcc gcttcttgag ggtggaagag ggggtgctctg agaagacact	240
caggcagcag actctgcctc tcaacttaagg tgcccccccg acccgcctcc accatagtca	300

<210> 329  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 329  
 ttttggctcgt ctttaatttg tctcatcagt gcctccatgt gtttttgatg cctttgaact 60  
 ggtattttta aaatttcaat ttctaattgt tcattataga aacacaattg ggttttatat 120  
 attggcattg tattttgcaa ctttcctaaa ctcactagta attctagtag ctttttttgg 180  
 tagattctta aggattttct gtgtaaatag tcatgtcatt tgtgaataaa gccatttttt 240  
 tttccttttc aaattttgtg ccttttattt cttattctta ccatatcaca ttggcaaaga 300

<210> 330  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 330  
 tcaaggatcg ggggtgctggc ctattcagtt cctggtaagg gctgtcttcc tggcttgacg 60  
 ttgaactact tcttgctgtg tcttcacaag catgccccca tctgtgcccg ataagaactc 120  
 cagaccccaa actcagctca tacacacacg gaagagagaa gcactctgaac atcaagaaga 180  
 gaagaagctg ctggacatca gaaactgtga aaggagagga gtttggctga gctccagggg 240  
 aagactgcct gcacattcta tccccttttc agttccccat cctgctgtca gccacattta 300

<210> 331  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 331  
 accgccctgt ggctggaggt gagatatgct ggcagcaata ctgctctggt actccttgct 60  
 aactgagat gtttgggtaa agagaaacat aaatctagcc tacgtgcaca tctgggcaca 120  
 gtacctttcc ttgaacttat tctgataca gattcctttg ctacatggt tccctgctga 180  
 ccttcttccc acctgttgcc ctgctacact cccctcgcta agacagtaaa aataatgatc 240  
 aataaatact gagggaaactc agaggccagc gccgggtgcgg gtccccccca tgctgagcgc 300

<210> 332  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 332  
 ggaaaaacaa caggtttgag tcctataaag ccataattta actccagtag ctgatgtcag 60  
 acaagcttgt cctatgtcct atttgagtgg cagcagcgcc agcccagcaa gaaggctggg 120  
 ggttgtcaag gttgtcccca gaccttgctt gcagtgggtg gagaaccag ggggctgcct 180  
 tgggccctct ggccagaggg aagcgggagc ctctagccct ggagattgtg gtcacattgg 240  
 ggcttgttta ggattggagg gccaggtcac cccccagcc accctccctt ctctcctctg 300

<210> 333  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 333

cctcctactc	ccaaacaaat	ctttggggaa	aaaaaaacta	ccaactgtca	gccatggggcc	60
tgacggcgct	aagctctggg	gctccgtgca	ctgacgtggg	gccagccaca	gggaggcggg	120
gatcaagtag	cggaggccag	gattttggcc	acctcccggg	caagttgcag	ggcagtggcg	180
ccgggagcaa	aagcagcatg	atgcagctca	tgcacctgga	gtccttttat	gaaaaaacct	240
cctcctgggc	ttatcaagga	agatgacact	aagccagaag	actgcatacc	agatgtacca	300

<210> 334

<211> 262

<212> DNA

<213> Homo sapiens

<400> 334

gccatgcccc	tttgtttact	cattgtctat	ggttgctttc	atgccctcac	agcaaaggcg	60
agtagttgtg	atggatcaaa	tggcccacaa	agcctgaaat	atttactctt	tgacccttta	120
cagaaaaaaaa	ccttgttgac	ccctgcttta	gagaatgaga	agccatgcag	ggatcagtga	180
tgccagagga	aggggaaggaa	ctgcttccag	ctattgtgac	aataataata	ataataatat	240
tgggtctttg	actagaacgt	gt				262

<210> 335

<211> 300

<212> DNA

<213> Homo sapiens

<400> 335

tentntotcn	ntattnttgn	gtagtncctc	ntttccttgt	ncnntntn	ncntnttgnct	60
tttgcggaac	ctcgattcta	tctcatatga	gtgagaacgc	ttaccagtgc	agcgaatgtg	120
ggaaagcctt	ccgagggcac	tggactttt	ctaggcatca	gagtcaccac	agcagtgaga	180
ggccttatat	gtgtaatgaa	tgtggaaaag	ccttcagcca	gaactcgagc	cttaaaaagc	240
accaaagtc	tcacatgagt	gagaagccct	atgaatgcaa	tgaatgtggg	aaggctttta	300

<210> 336

<211> 300

<212> DNA

<213> Homo sapiens

<400> 336

gaggaccac	tccccagga	ctcctttgaa	ggcgtggacg	aggacgagtg	ggactagcct	60
gcgcccccg	cacctccacc	tcacctgtgc	tgccacttcc	tagtgcacac	ctcacggctc	120
atcctcaagc	tggaagatac	ctctctggcc	ccggcacatg	tcacccctgc	actcctgcct	180
tcccggtggc	acttccacat	cctctgggcc	tctggcagtt	cccagggact	gttttcacct	240
ctgctgtctc	tggggtcagc	tgctgctcat	cagctgcccg	ctagcatgtg	gccaggggtg	300

<210> 337

<211> 300

<212> DNA

<213> Homo sapiens

<400> 337

agacaaccca	gaaacaaatt	catacatcta	tggtgaccac	ttttgacaaa	ggaatgaaga	60
acatacactg	gggaaaagat	aatgtcttta	ataaatggtg	ctgggaaaac	tggatatcca	120
tatgcagaag	aatgaaacta	gacccccatc	tcttagcata	tacaaaaatc	aaaattaatt	180
aaaaagttaa	atctaagacc	tcaaactatg	aaacagctaa	aagaaaacat	cggggaatct	240
ctccaggaca	ttggagtggg	caaagatttc	ttgtgtaata	cctgacaaac	aggcaaccaa	300

<210> 338  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 338						
tcaataacca	tgaagatgca	tcctaccacc	gtcagggcaa	tcattagata	gctgatcttc	60
actcgcctct	tcattggttat	tgagggcaag	aaggctgccc	aaagacacga	gactttaaca	120
agcttgaact	tagaaaagaa	agctcgtctg	aaagaggaag	cagctatgaa	ggccaaaaca	180
gagtagcaga	ggtatccgtg	ttggctggat	tttgaaaatc	caggaattat	gttataacgt	240
gcttgtatta	aaaaggatgt	ggtacgagga	tccatttcat	aaagtatgat	tt	292

<210> 339  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 339						
gaaatttgca	ctgatggctc	agaaggctta	cgctcatggag	agtatgacct	acctcagagc	60
aggggggggct	ggaccaacct	ggctttcccg	actgctccat	cgaggcagcc	atggtgaagg	120
tgttcagctc	cgaggccgcc	tggcagtgtg	tgagtgaggc	gctgcagatc	ctcgggggct	180
tgggctacac	aaggggactat	ccgtacgagc	gcatactgcg	tgacacccgc	atcctcctca	240
tcttcgaggg	aaccaatgag	attctccgga	tgtacatcgc	cctgacgggt	ctgcagcatg	300

<210> 340  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 340						
ctcagngcan	cgatcatggc	tcagtgcagc	ctcaaactct	tgggctcaan	canagcgggn	60
acctcaacct	cctgagtagc	taggactata	ggcacacagc	accatgcccc	ggctattttt	120
ttatttttga	gagatggggg	ctcactatgt	tgcccaggct	agtcttgaac	tcttggectc	180
aagcaatcct	cccacctcgg	cctcccaaag	tgctggggatt	aaaggcgtga	gccaccgtac	240
ctggcccttg	gtggaatctt	tagggttttc	tattcataca	tataaaatca	tatcattggc	300

<210> 341  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<400> 341						
atccagggtg	ttctgatgca	cagtgaat	ggggtaccac	tggtattagg	ttgggtatgg	60
caactttttc	atcacttgtt	ttatgtagtt	gtctgatcaa	ttgtgaaaac	ataatgaatg	120
ttggaaatgg	aacagtaaaa	taacgaaagc	caactttttt	tttttttttt	ttnnnnnnnn	180

nnnnnnnnnt	tnnnccccng	ncngnanngc	agggggccaa	nnnnggntnn	ntgnancnc	240
cncncccggg	ntnnnnccct	ttntcnngcc	taaccnccc	nagnacnngg	aactac	296

<210> 342  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 342						
ggcacgatca	tggctcattg	cagcctctaa	ctccggggct	caagcaatcc	tcccacctca	60
gcctaccaag	tagctgtgac	cacagctgcc	cctcaccatg	ctaagctaatt	ttttttaatt	120
agatagtaca	taaacgtccc	aaaattagaa	gataaaaaga	catgagggat	ccatttctaatt	180
ttgtgttttg	agtgtaatgg	tccagctcca	ttctttctgca	catggatatc	cagtttttaca	240
caacactgtg	aatgtaatga	atgccactga	atcatacact	caaaaatagc	taaaatggca	300

<210> 343  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 343						
gttttcatca	ctacatatcc	tacacacact	gggaagctct	gacaacttat	tccttgctat	60
tatcaactaa	agatcacccct	ttctactgct	gtctctggag	caggagctgg	caaactatgg	120
cctgctgtct	gtttttgtac	agttttactg	aaacacagcc	atgcccattt	gtttactcat	180
tgtctatggg	tgttttcatg	ccctcacagc	aaaggcgagt	agttgtgatg	gatcaaatgg	240
cccacaaagc	ctgaaatatt	tactctttga	cccttttacag	aaaaaacct	tgttgacccc	300

<210> 344  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 344						
ccccaacctg	cactctaccc	acccccatca	cctactccag	ctcccaactt	ttgtggactg	60
agcgcccgca	gagactgggt	cgcttggat	tcctctctgcc	tccgaggacc	ccaaaagaca	120
cccccaaccc	caggccagcc	ggccttctgc	tggcgctcc	aaaatactac	ctagcacagg	180
cctctgctcg	aggcaccccc	aaactaccta	tgtatccagc	cccagagggc	ctccattccc	240
aggaagtccc	tatgtatccc	aacactggca	gacaccagc	accaccctcc	cagacccgca	300

<210> 345  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 345						
cccccatcac	ctactccagc	tcccaacttt	tgtggactga	gcggccgcag	agactgggtc	60
gccttggatt	ccctctgcct	ccgaggaccc	caaaagacac	ccccaacccc	aggccagccg	120
gccctgctct	ggcgctcca	aaatactacc	tagcacaggc	ctctgctcga	ggcaccoccc	180
aactacctat	gtatccagcc	ccagagggcc	tccattccca	ggaagtccct	atgtatccca	240
acactggcag	acaccagca	ccaccctccc	agaccgcgca	gaaagtgaat	ctcactacta	300

<210> 346  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 346  
 gtccacggtg ctgaacatca tcatctttga agactgtagg aaccagtggg ctatgtcccg 60  
 accactactt ggcttgatat tgcttaatga aaagtatttt tctgacctaa gaaacagtat 120  
 tgtgaacagc cagccaccgg agaagcagca ggccatgcac ctgtgttttg agaacctgat 180  
 ggaaggcatc gagcgaaatc ttcttacgaa aaacagagac aggttcaccc agaacctgtc 240  
 agcattccgt cgagaagtca acgactcaat gaagaattcc acttatggcg tgaatagcaa 300

<210> 347  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 347  
 gctctgagcc caggcgaggc cagggacatg gccatggacc tgtgtcggca ggaccccgag 60  
 tgtgagttct acttcagcct ggacgccgac gctgtcctca ccaacctgca gacctgcgt 120  
 atcctcattg aggagaacag gaaggtgatc agaccccatg ctgtcccgcc acggcaagct 180  
 gtggtccaac ttctggggcg ccttgagccc cgatgagtac tacgcccgt ccgaggacta 240  
 cgtggagctg gtgcagcgga agcgagtggg tgtgtggaat gtaccatata tctcccaggc 300

<210> 348  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 348  
 gttctgtggc tggcatggtc tgcttgctac tggagagatc tcctgagaat tcaggtttgg 60  
 attggtgctg tcatcttcct gggaaatgctt gagaaagctg tcttctatgc ggaatttcag 120  
 aatatccgat acaaaggaga atctgtccag ggtgctttga tccttgacaga gctgctttca 180  
 gcagtgaaac gctcactggc tcgaaccctg gtcacatag tcagtctggg atatggcatc 240  
 gtcaagccac gccttgaggt cactcttcac aagggtttag tagcaggagc cctctatctt 300

<210> 349  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 349  
 gtcagctttt gatgaagcta tgtcatactg tcgatatcat ccttccaaag ggnattgggtg 60  
 gcacttcaaa gatcatgaag agcaagataa agtcagacct aaagccaaaa ggaaagaaga 120  
 accaagctct atttttcaga gacaacgtgt ggatgcttta ctttttagacc tcagacaaaa 180  
 atttccaccc aaatttgtgc agctaaagcc tggagaaaaa cctgttccag tggatcaaac 240  
 aaagaaagag gcagaaccta taccagaaac tgtaaaacct gaggagaagg agaccacaaa 300

<210> 350  
 <211> 270  
 <212> DNA

<213> Homo sapiens

<400> 350

ccatgctgnt	aacgggtttc	aaggggactc	ttgaggaant	gccccctaaa	atagaacaca	60
gcaatanggn	gggcttcttg	tccccaggnc	cacccacacag	tgtntnttg	cactggnaac	120
tctgctangg	agngantgna	nnnnaccant	aannnnnnan	nnatcnacan	nnnnnnnncn	180
nnnnnncntn	tnnccnannn	ntannctncc	ntannnnanc	cnnccannan	cactcncnat	240
naacgnnnnn	ttantgagan	nttctcaact				270

<210> 351

<211> 300

<212> DNA

<213> Homo sapiens

<400> 351

aaatgactcc	ctgcaaaaacc	caacccatgc	tgttggtgt	gggatttttg	gtgtaagcct	60
atctatgcac	tctatcagcc	agaatttggc	atttagctct	tagttaaatc	tagtaaagga	120
cagtctattg	tttaaagaga	aggtgcattt	gttctctaat	caagcaagag	cacctgtgtt	180
gtactgcttt	atatctcatg	tatatttata	gtaatgaaaa	gactttttta	attgtacacg	240
tttcagtgcc	tttcttgtgt	tatgaaaggc	aggtagatat	tatagccata	ggtaaaaaatc	300

<210> 352

<211> 300

<212> DNA

<213> Homo sapiens

<400> 352

aagaaatgcc	tctatgtagg	tgaagtgttc	tctctgcatg	caacagtaaa	aattaatata	60
atattttccc	cacaaaagaa	acacttaaca	gaggcaagtg	caatttataa	atttataatct	120
aaaggggaat	catgattata	agtccttcag	cccttggtgact	ctaaattgag	gggattaaaaa	180
agaattttaa	ataattttga	acgaatttat	tttcccctca	gtttttgagg	gcattaaaaaa	240
ggcattaaat	caagacaaat	catgtgcttg	agaaaaataa	aattaatgaa	aacacagcac	300

<210> 353

<211> 300

<212> DNA

<213> Homo sapiens

<400> 353

cccacactcg	gacactgtgg	aattctacca	gcgcctgtcg	accgagacac	tcttcttcat	60
cttctactat	ctggagggca	ctaaggcaca	gtatctggca	gccaaggccc	ttaaagaagca	120
gtcatggcga	ttccacacca	agtacatgat	gtggttccag	aggcacgagg	agcccaagac	180
catcactgac	gagtttgagc	agggcaccta	catctacttt	gactacgaga	agtggggcca	240
gcggaagaag	gaaggcttca	cctttgagta	ccgctacctg	gaggaccggg	acctccagtg	300

<210> 354

<211> 299

<212> DNA

<213> Homo sapiens

<400> 354



gaaggaggac	ctaggcacac	acatatggtg	gccacaccca	ggagggtagt	ggggagtttag	60
atttcagagt	ccaggcccta	ggttgggacc	cactccaaat	aatctcctcg	gtgtgggtgg	120
tggttctata	gagggataaa	tgaataataa	acattgttaa	aatatacgaa	aaaaaaaaaa	180
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaacnncn	ncnananaaa	aaaaaaaaaa	299

<210> 355  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 355						
actgttcata	ctaagttcca	ctataaacag	gctcatgact	cgggcacaga	cactttcttgc	60
gtgacttttt	cctatgatgg	taatgtcctt	gcctctcgtg	gaggtgacga	ttcattaaaa	120
ttatgggaca	tccgacaatt	taataaacca	cttttttcag	cctcgggtct	ttccaccatg	180
ttcccaatga	ctgactgctg	tttcagtcca	gatgataagc	tcatagtcac	tggtacatct	240
attcaaagag	gatgtggcag	cggcaaactt	gttttctttg	agcgtaggac	tttccaaagg	300

<210> 356  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 356						
ttcagaaaga	aacattttaat	agggacttac	aaacaaatta	atgtctgagt	ctcagggtggc	60
agcaagacaa	gatgggtggat	ccccatgcca	ttacctgcta	gactcagggt	ttatatactg	120
tagtggagag	gtgattccga	aggaatgttg	taagacaatt	gaagagcagt	aacatcaaag	180
ttatttgacc	taagggcagg	agttacagta	agtatccact	tttatacaag	aaacaataga	240
taaactggaa	atcttggagc	ccttcctgga	actgggggta	atgagaagtc	aacatgggtgg	300

<210> 357  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 357						
acaaaaccta	cagatggaga	taaaaattac	tactgttatt	caacatgtgt	tccagaacct	60
tattttgggg	agtaaaagtc	attgggcaga	ggatcctgcc	cttaaggaaa	ttgttctgca	120
gcttgagaag	aatgttgaca	tgatgtaata	agaattcatt	tctgacatat	tttacatttc	180
tggcaatctc	aactcttatt	tggaatactt	ctgtgcattt	gtctgtccac	cgtaatttta	240
gaaaagcata	tccataacgt	ttacagttgt	agtacagttg	tggttagtta	tttgtagtgg	300

<210> 358  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 358						
ggtgattaca	gaagcccaga	aggttgatac	cagagccaag	aacgctgggg	ttacaatcca	60
agacacactc	aacacattag	acggcctcct	gcattctgatg	gaccctgcac	ttgatggacc	120
agctggcacc	accagatca	ataaactggc	ttatttgaat	ttgcggcccc	ccaccaggga	180

actgactcag	tgcaagaaga	cagcttcgac	tcctgtgat	ttcatctctg	accaatccgc	240
actcctggct	cactggcttc	cccaacccat	gaagttttcc	ttaaaaactc	tgctcccga	300

<210> 359  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 359						
atcaggtgtt	cctcccatgg	caggagggaa	gaaacccagc	aaacggccag	cctgggactt	60
aaagggtcag	ttatgtgacc	taaatgcaga	actaaaacgg	tgccgtgaga	ggactcaaac	120
gttggaccaa	gagaaccagc	agcttcagga	ccagctcaga	gatgccagc	agcaggtcaa	180
ggccctgggg	acagagcgca	caacactgga	ggggcattta	gccaagggtac	aggcccaggc	240
tgagcagggc	caacaggagc	tgaagaactt	gcgtgcttgn	gtcctggagc	tggaagagcg	300

<210> 360  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 360						
tctgtctggt	gattttttatt	ttaagtgaac	ctttggatct	atcttttaact	ctctttattg	60
tgagtggtaa	attccaattc	tgacgcagat	cagtaaaactc	acagtatttt	tcctgtggaa	120
atctattcaa	taaggaaacc	aagacaggat	aataaaattt	aaaaaaaaac	aactttgaat	180
tcctctgcct	aggtcttcca	gttgttttcc	agcgcatacc	tcaggtatga	ctttgctagc	240
cggggacaaa	attagcacct	tccgattctc	tagtccaaat	gaactttgtg	ctaaataaaa	300

<210> 361  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 361						
gtagaacaga	aaatgagcat	ccgattttctt	cactaaagga	gaccaaactg	ttccttgccg	60
tctagtattg	agaactgga	acttgaaagt	cctccttcta	ccaactccac	ctccaccccc	120
tcattcccct	tctcccaaag	tactactgct	gttgcattgac	aaccccaa	atgttctgtc	180
aacacaaacc	tgcttttggg	gtataaacag	ggcattacag	aatggtacac	cctatatatt	240
tctgttcagt	atccattcac	tagttcttca	tttataaata	tcattcttccc	cattctgctg	300

<210> 362  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 362						
actaccccg	ctacggttcc	cccattgctg	gcagcttggc	catgggccc	gtcacgaaca	60
aaacgggct	ggacgcctcg	cccctggccg	cagatacctc	ctactaccag	ggggtgtact	120
cccgcccat	tatgaactcc	tcttaagaag	acgacggctt	caggccccgc	taactctggc	180
accccggatc	gaggacaagt	gagagagcaa	gtgggggtcg	agactttggg	gagacgggtg	240
tgcagagacg	caagggagaa	gaaatccata	acacccccac	cccaacaccc	ccaagacagc	300

<210> 363  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
 ggcaattagc ctcgcttaag ttgccttttt tacacaccaa aactttttac atgaagggtc 60  
 ggtttcacat gaatactata ctgaaatctg tgctctcaag atctagcagt gaccagggct 120  
 gcccggcggg ggctctcctg gcaagtcagg aaggtnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 canattantn nctgatentc tntnangaan nnngantngc tctnttggnc nttgtnnnnn 240  
 gnentnnnnt naantntttt ntnatgtngc t 271

<210> 364  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 364  
 agaggaccct gcagttaggg ggtgttactt tgtcgcccag gatggcctgg acccccaggt 60  
 tcagggattc tcccgcgcgt gcttctctgag tagctgggac ctcaggcttc cgctcgtgc 120  
 ccgcacccct gctgtgttta ggcagcagggt ggtgacctca ctctccctg gcctgagctc 180  
 tccgtcccgc atcccaggcg gaggccctag ggaacacttt gaagctgagc acggggtgga 240  
 ccctccctcc tgagtgaatg gagaatagaa agggagagga tttctgttct gttctgtggg 300

<210> 365  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 365  
 gttcttcaaa gccaaccaag acaggcttag cagttttaga gcttcagaac aaattgcaa 60  
 aagccagagt tgtttatgct agtgcaactg gtgcttctga accacgcaac atggcctata 120  
 tgaaccgtct tggcatatgg ggtgagggtta ctccatttag agaattcagt gattttattc 180  
 aagcagtaga acggagagga gttgggtgcca tggaaatagt tgctatggat atgaagctta 240  
 gaggaatgta cattgtctga caactgagct ttactggagt gaccttcaaa attgaggaag 300

<210> 366  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 366  
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 gcctcctgcc tccggtccag gtgtactggg gtctgtgtgt tgtgtttctg cgtgttctcg 120  
 gcagaaagtg gcatgctgtc ccgcctgggt gatttgcctt tttacactat tgctgaagga 180  
 caggaacgaa tccctatcca caagttcacc actgcactaa aggccactgg actgcagaca 240  
 tcagatcctc ggctccgaga ctgcatgagc gagatgcacc gcgtgggtcca agagtccagt 300

<210> 367  
 <211> 300  
 <212> DNA

<213> Homo sapiens

<400> 367

cattgccaga	gagcggtttc	agcaagctgc	agatctgatt	gatgctgagc	aacgaatgaa	60
gaagtccatg	tggggtcagt	tctgggtctgc	tcaccagagg	ttcttcaa	acttatgcat	120
agcatccaaa	gttaaaagg	ttgtgcaact	agctcgagag	gaaatcaaga	atggaaaatg	180
tgttgtaatt	ggtctgcagt	ctacaggaga	agctagaaca	ttagaagctt	tggaagaggg	240
cgggggagaa	ttgaatgatt	ttgtttcaac	tgccaaaggt	gtggtgcagt	cactcattga	300

<210> 368

<211> 300

<212> DNA

<213> Homo sapiens

<400> 368

gcccggcccc	gcgacgctgg	cgacgctttc	gcccctgagg	tagtttggcg	accgcgaaga	60
aggaaaaaag	gcgggcgggc	ggctgtcctc	tcaccgtcct	caccccgcca	ggcccggccc	120
gctcctccgt	cgtggatttc	gcggcgatcc	ccccggcagc	tctttgcaaa	gctgcttgaa	180
acttctccca	aactcggcat	ggatacgact	gcggcgggcg	cgctgcctgc	ttttgtggcg	240
ctcttgctcc	tctctccttg	gcctctcctg	ggatcgggcc	aaggccagtt	ctccgcaggt	300

<210> 369

<211> 300

<212> DNA

<213> Homo sapiens

<400> 369

gtggggtgtg	cctcgtgtgc	gtggattcgt	gtgtgtgtgt	gtgtcttgta	tatgtgtgcg	60
cagagtgc	cattttcaga	ctctactatt	tccgtcaagt	attctgtttg	atttgatca	120
tctcaggatc	ggattctgtt	ttagagtgtt	tctgggccag	gatccggggc	cctgccctcc	180
tctgcacctg	accacactcc	ctactcaggg	ctagtctgtt	cttcccggac	atcttctggt	240
agccgtgcag	gagaggggctg	ggtggggcag	aggccacaga	ggggacctgg	tgtgtcacct	300

<210> 370

<211> 273

<212> DNA

<213> Homo sapiens

<400> 370

cagaggctgg	ttcagaaaag	gaggaagagg	cccggctggc	agccctggaa	gagcagagga	60
tggaggggaa	gaagcccagg	gtgatggcag	gcaccttgaa	gctggaggat	aagcagcggc	120
tggcccagga	tgaggagagt	gaggcctagc	gcctggccat	tatgatgatg	aagaagctnn	180
nnnnnnnnnn	nnnnnnnnnc	atcatgtccn	ntgcatggct	acctatccca	tatttnatnt	240
ccctnncgtt	gnttcnaatt	ncacattntc	ttt			273

<210> 371

<211> 300

<212> DNA

<213> Homo sapiens

<400> 371

gatgaggagt	gtttaatcat	tgatacagaa	tgtaaaaata	atagtgatgg	aaagacagct	60
gttggtgggtt	ctaacttaag	ttccagacca	gctagtccaa	attcttcctc	aggacaggct	120
tctgtaggaa	accagactaa	tactgcttgt	agtcctgaag	agtcattgtgt	tttaaaaaaa	180
cctatcaaac	gagtatataa	aaaatttgat	ccagttggag	agatttttaa	aatgcaggat	240
gagctcttaa	agccaatttc	cagaaaagta	ccagaattgc	ccttaatgaa	tttagaaaat	300

<210> 372  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 372						
gggcccgaat	gcagctgccc	tctccagata	cctggcagcc	tcatatatca	gccaaagcct	60
ggctcggcgg	caggggcctg	ggggaggggc	ccccgcagcc	tcccggggct	cctggtcctc	120
tgctcccacg	tcacggggcat	cttgcgcgcc	ccccagccc	cagccaccac	ctcccgcagc	180
caggcggtc	agctatgcc	cgacgggtta	catccacgtg	ggcgggggtg	ggcggtctgc	240
gccagccaag	gcccagggtcc	ggttgaacca	ccctgctctc	ttggcctcca	cacaggaatc	300

<210> 373  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 373						
accctttctg	ccttctgttt	gggaccagc	tggtgttctt	tggtttgctt	tcttcaggct	60
ctagggctgt	gctatccaat	acagtaacca	catgcggctg	tttaaagtta	agccaattaa	120
aatcacataa	gattaaaaat	tccttcctca	gttgactact	ccacgtttct	agaggcgtca	180
ctgtatgtag	ttcatggcta	ctgtactgac	agcgagagca	tgtccatctg	ttggacagca	240
ctattctaga	gaactaaact	ggcttaacga	gtcacagcct	cagctgtgct	gggacgaccc	300

<210> 374  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 374						
tcaaggccta	cgaacagggt	atgcactacc	ccggctacgg	ttcccccatg	cctggcagct	60
tggccatggg	ccgggtcacg	aacaaaacgg	gcctggacgc	ctcgcccttg	gccgcagata	120
cctcctacta	ccaggggggt	tactcccggc	ccattatgaa	ctcctcttaa	gaagacgacg	180
gcttcaggcc	cggctaactc	tggcaccctg	gatcgaggac	aagtgcagaga	gcaagtgggg	240
gtcgagactt	tggggagacg	gtgttcgaga	gacgcaaggg	agaagaaatc	cataacaccc	300

<210> 375  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 375						
cttcagtgc	cacaacagga	gagaggagaa	agaagaaacg	ctagtaattc	caagcactgg	60
aattaagttg	ccttcattcg	tggttgcttc	agagtttgag	gaagatgttg	tgattgttaa	120
ataaagcagc	tccagtttca	ggacctcgac	tggattttga	tcctgacatt	gttgcagctc	180

ttgatgatga	ttttgacttt	gatgatccag	ataatctgct	tgaggatgac	tttattcttc	240
aggccaataa	ggcaacagga	gaggaagagg	gaatggatat	acagaaatct	gagaatgaag	300

<210> 376  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 376						
gggagactgg	ggtctatttc	acccctgcag	tctcgaccat	aagagatggc	tacaccagg	60
ggggccagtt	cagagacca	ctcccagggtg	tgcattctct	ttctcaagga	tgttccttgc	120
tgagaaaaag	aattcagtga	tatttctccc	atttgcttgt	gaaagaagag	aaatgtggct	180
ttgttccacc	tggctcaccg	gcggtcagaa	tttaaggtta	tctctcttgt	ttcctaaaca	240
ttgctgttat	cctgttcttt	tttcaagggtg	cccagatttc	atattgctca	aacacacatg	300

<210> 377  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 377						
gatcagcca	cctcggcctc	acaaagtgct	gggattacag	gcgtgagcca	ccttgcccag	60
cccacatcat	acagtttgaa	atgaaacttt	gccacaacca	gcctttgctg	tagcacacac	120
atatatcact	gaacctgttt	gaaataaagt	tttttttctt	tttctcttgg	tattctgggt	180
tctgaagtct	ggtattctgg	tattctgggt	tcaaaagtat	gacttgagag	tgttgctctg	240
gtattctgag	agttgctctg	tattctgggt	tctgaagatt	atttgaaaaa	taactcctac	300

<210> 378  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 378						
tgcgtgtgat	ccaaggataa	aaaagttcaa	ggaagaagaa	aaagccaaga	aagaagcaga	60
aaagaaagca	aaagcagaag	ctaaacggaa	ggagcaagaa	gctaaagaaa	aacaaagaca	120
agctgaatta	gaagctgctc	ggttagctaa	ggagaaagaa	gaggaggaag	tcagacagca	180
agcattgctg	gcaaagaagg	aaaaagatat	ccagaaaaaa	gccattaaga	aggaaaggca	240
aaaacttcga	aactcatgca	agacctggaa	tcatttttct	gataatgagg	cagagcgggt	300

<210> 379  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 379						
acactataga	atacaagcta	cttgttcttt	ttgcaggatc	ccatcgattc	gaattcggca	60
cgaggcagct	tcgagccaat	ggtgagctcc	ttctggatca	gctccttcag	ctccttcttg	120
ctcaggatgc	tgaaattgca	aggctgatgg	aagacttgga	ccggaacaag	gaccaggagg	180
tgaacttcca	ggagtatgtc	accttcttgg	gggccttggc	tttgatctac	aatgaagccc	240
tcaagggctg	aaaataaata	gggaagatgg	agacaccctc	tgggggtcct	ctctgagtca	300

<210> 380  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<400> 380  
 acctggacag ggccagctgc tgggggagcg gcactgggga ctggaggctg gaagcgggtg 60  
 gtgtgtgtcc cctgtttact tttagctgag ctgggggttg gtgtacgggt tctgttcctc 120  
 tgagccctgc ggcccacctg atgtttacgt gtgtgtgtga gggggggcnn nnnnnnnnnn 180  
 nnnnnnnnnn ngtnatangc ttaacanatg nanagncnac tnactnctga ttntttatnc 240  
 atttgtgcat tnaaactatg cttttncgat cttnctgntg nnatnacngg catgat 296

<210> 381  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 381  
 cagaaaagag tatagtaggg atgaccaagg tcaaagtggg taaagaagac tcatcatcca 60  
 ctgagtttgt agaaaaacgg agagcagctc ttgaaaggta tcttcaaaga acagtaaaac 120  
 atccaacttt actacaggat cctgatttaa ggcagttcct ggaaagttca gagctgccta 180  
 gagcagttaa tacacaggct ctgagtggag caggaatatt gaggatgggtg aacaaggctg 240  
 ccgacgctgt caacaaaatg acaatcaaga tgaatgaatc ggatgcatgg tttgaagaaa 300

<210> 382  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 382  
 gccaccggtc tcttcctaata ctgcacagac tattttgggt atttctgggc gggcagttcc 60  
 tttgcatgtt tcgggagagg tttgctgatt tggggcttat atgtcaggcc tttggtttgc 120  
 gtcttatttt aggggttggt tgggggcctg ggtggtcggc ctcacatggg aaggggatgg 180  
 gtagtggatg ggggtttctgt tgtatcttgt gggcgggtga ttttgctttt gtttttgttt 240  
 cacattcttc cccctccaca agccaaagtc gtttcatttg gtttccactg tgtggactgt 300

<210> 383  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 383  
 gagatttgat attcgagtgc tgggcttagg tctgttgata aatctagtgg agtatagtgc 60  
 tcggaatcgg cactgtcttg tcaacatgga aacatcgtgc tcttttgatt cttccatctg 120  
 tagtggagaa ggggatgata gtttaaggat aggtggnnnn nnnnnnnngc cngcnttnac 180  
 ttnatngcnn ctttttcttg atcnacgnen gnnatncnna nnngtntata ntaatncnga 240  
 anantntttt gnnntgcttt atcaantntt cnt 273

<210> 384  
 <211> 259

<212> DNA

<213> Homo sapiens

<400> 384

aagagaagga	cctagagatt	gagaggctta	agacgaagca	aaaagaactg	gaggccaaga	60
tgttggccca	gaaggctgag	gaaaaggaga	accattgtcc	cacaatgctc	cggccccctt	120
cacatcgac	agtcacaggg	gcaaagcccc	tgaaaaaggc	tgtggtgatg	cccctacagc	180
taattcagga	gcaggcagca	tccccaaatg	ccgagatcca	catcctgaag	aataaaggcc	240
cgaagagaaa	gctggagtc					259

<210> 385

<211> 296

<212> DNA

<213> Homo sapiens

<400> 385

agagcctgca	agtgcacaaag	gaagtgaggc	agaggcccac	atgccccac	cgttcacacc	60
ctacgtgcct	cggattctga	acggcttggc	ctcggagagg	acagcactgt	ctccgcagca	120
gcagcagcag	cagacctatg	gtgccatcca	caacatcagc	gggactatcc	ctggacagtg	180
cttggcgcat	agcgccacgg	gcagtgtggc	ttgctgcccc	ccaggaggcc	tgaggctggg	240
tctcactgct	ctgaaaaaga	cccnncctaa	atgggccttg	gggctnnagg	cccttg	296

<210> 386

<211> 300

<212> DNA

<213> Homo sapiens

<400> 386

gaagaggagg	ctgtgtatga	ggaacctcca	gagcaggaga	ccttctacga	gcagccccc	60
ctggtgcagc	agcaagggtg	tggctctgag	cacattgacc	accacattca	gggccagggg	120
ctcagtgggc	aagggctctg	tgcccgctgc	ctgtacgact	accaggcagc	cgacgacaca	180
gagatctcct	tgacccccga	gaacctcatc	acgggcatcg	aggtgatcga	cgaaggctgg	240
tggcgctggc	atgggcccga	tggccatttt	ggcatgtttc	ctgccaacta	cgtggagctc	300

<210> 387

<211> 300

<212> DNA

<213> Homo sapiens

<400> 387

ccgcagaggg	cctggaagag	gtgctcacca	cgccagagac	tgtgctcaca	ggccacacgg	60
agaagatctg	ctccctgcgc	ttccaccac	tggcagccaa	tgtgctggcc	tcgtcctcct	120
atgacctcac	tgttcgcac	tgggaccttc	aggctggagc	tgatcggctg	aagctgcagg	180
gccaccaaga	ccagatcttc	agcctggcct	ggagtcctga	tgggcagcag	ctggccactg	240
tctgcaagga	tgggcgtgtg	cgggtctaca	ggccccggag	tggccctgag	cccctgcagg	300

<210> 388

<211> 300

<212> DNA

<213> Homo sapiens



<400> 388  
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 gagcacatct tgtagggtgg caccttttta tccaagttac tagctacaca tcagtgttta 120  
 aagagaaaaa agtgaccttt catttttttt tcttgaaact tgaggaaaca agatacatat 180  
 tactgatttt ttttttctta aaactaaatg catgactgca gagcggtaga ggtgtatatt 240  
 tttcatactg tggggcaaag tatttgtgct gctttttgga gatggactgg aacgtctggt 300

<210> 389  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<400> 389  
 gtcaagctgg ccctggatgt ggagatcgcc acctaccgca agctgctgga gggcgaggag 60  
 tgcaggctga atggcgaaag cgttggacaa gtcaacatct ctgtagtgca gtccaccgtc 120  
 tccagtggct atggcggtgc cagcggtgtc ggcaannnnnn nnnnnnnnnnn nnnatgaanc 180  
 agntactcct atggmnttag cntntanct atnacctgcn cnaactannc tnangtgcta 240  
 gnncttgccc caaccctac ttttgtatct atattgtgtg tgcgtgtgtg cgt 293

<210> 390  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 390  
 ctcacacctg ctttggatgc ttcaagcacc tcagccctct gaactacaaa acagangagc 60  
 ctgcaagtga caaaggaagt gaggcagagg cccacatgcc cccaccgttc acaccctacg 120  
 tgcctcggat tctgaacggc ttggcctcgg agaggacagc actgtctccg cagcagcagc 180  
 agcagcagac ctatggtgcc atccacaaca tcagcgggac tatccctgga cagtgtctgg 240  
 cgcagagcgc cacgggcagt gtggctgctg cccccagga ggcttgaggc tgggtctcac 300

<210> 391  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<400> 391  
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 ttttgcagcg atttcttaga tgtaaaaatg agatctcaat agcagcgggc tgggcacatc 120  
 ctctcctctc tccttctctc tctgcccgga gctggtttcc gtctctcggc tcggggctgg 180  
 aactccggcc caacctaggc ggcagccgc cagagatgg cgcacttccg atcaatgtca 240  
 aagccgcccg ggagccc 257

<210> 392  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 392  
 gcgcgagcgt cggctccgcc tgggcccttg cgggtgcgctg cgggcaggcg gtgaggctca 60  
 cgcattgtgct tacgggcaag aacctgcaca cgcaccactt cccgtcgccg ctgtccaaca 120

accaggaggt	gagtgccttt	ggggaagacg	gcgagggcga	cgacctggac	ctatggacag	180
tgcgctgctc	tggacagcac	tgggagcgtg	aggctgctgt	gcgcttccag	catgtgggca	240
cctctgtggt	cctgtcagtc	acgggtgagc	agtatggaag	cccatccgt	gggcagcatg	300

<210> 393  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 393						
gcgcgagcgt	cggctccgcc	tgggcccttg	cgggtgcgctg	cgggcaggcg	gtgaggctca	60
cgcatgtgct	tacgggcaag	aacctgcaca	cgcaccactt	cccgtcgccg	ctgtccaaca	120
accaggaggt	gagtgccttt	ggggaagacg	gcgagggcga	cgacctggac	ctatggacag	180
tgcgctgctc	tggacagcac	tgggagcgtg	aggctgctgt	gcgcttccag	catgtgggca	240
cctctgtggt	cctgtcagtc	acgggtgagc	agtatggaag	cccatccgt	gggcagcatg	300

<210> 394  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 394						
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aaaggaggag	aggctgtctg	cctttatgag	gagccagtgt	ctgaattgct	gaggagatgt	120
gggaattgca	cacgggaaag	ctgtgtgggt	tccttttacc	tttcagctga	ccatgaactc	180
ctgagcccga	ccaactacca	cttctgtgcc	tcaccgaagg	aggccgtggg	gctctgcaag	240
gcgcagatca	ctgccatcat	ctctcacnag	gngaccatat	tggtttttga	cctggagacc	300

<210> 395  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 395						
gcaaaatcaa	tgtggactga	acataaatca	cctgatggaa	ggacttacta	ctacaacact	60
gaaaccaaac	agtctacctg	ggagaaacca	gatgatctta	aaacacctgc	tgagcaactc	120
ttatctaaat	gcccttgga	ggaatacaaa	tcagattctg	gaaagcctta	ctattataat	180
tctcaaacaa	aagaatctcg	ctgggccaac	cctaaagaac	ttgaggatct	tgaagcaatg	240
atcaaagctg	aagaaagcag	taagcaagaa	gagtgcacca	caacatcaac	agccccagtc	300

<210> 396  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 396						
aagagcacaa	gaggaagaga	gagaccctca	ctgctgggga	gtccctgcc	cactcagtcc	60
cccaccacac	tgaatctccc	ctcctcacag	ttgccatgta	gaccttga	agaggggagg	120
ggcctaggga	gccgcacctt	gtcatgtacc	atcaataaag	tacctgtgc	tcaacaaaaa	180
aaaaaaaaa	aaaaacnnnn	nnnnnnnnnn	nntntngggn	gnctnntnnc	nnaaanccan	240

ncttnataaaa anccttnngnt natttggaac aaccncann taaanngcag ggaaaaaaag 300

<210> 397

<211> 300

<212> DNA

<213> Homo sapiens

<400> 397

gataaaatacc	tcagcccctc	gccttccctca	acccacctgg	caagtcttct	taggatctga	60
tcccagtttt	ctggaagcaa	tcctacccca	gccaagctt	cccagagtcg	agccttaatc	120
cttctcactt	ctcagtgtca	gagcagaaat	gaatcctggg	gttgactgtg	tccattcggg	180
ttattagcag	ctaagaagcc	cagacgagta	gtgtgagctg	ccttgggagc	ctcagtgagg	240
gcactggggac	tggcctcact	ctcttgcccc	cagcctagt	ggctttctcc	tctgtctctc	300

<210> 398

<211> 300

<212> DNA

<213> Homo sapiens

<400> 398

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tttgttggcc	aggcaggaca	aaaactcatg	atgtcccaga	gggaatcact	gatgtcccat	120
gcaatagaac	tgaaatcagg	gagcaataag	aacattcaca	ttgctctggc	tacattggcc	180
ctgaactatt	ctgtttgttt	tcataaagac	cataacattg	aagggaaagc	ccaatgtttg	240
tcactaatta	gcacaatctt	ggaagtagta	caagacctag	aagccacttt	tagacttctt	300

<210> 399

<211> 300

<212> DNA

<213> Homo sapiens

<400> 399

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gagaatattg	ccaccattct	ggaagccaag	tgtgccctga	aatatttgat	tggagagctg	120
gtctcctcca	aaatacaggt	cagcaaactt	gaaagcagcc	tgaaacagag	caagaccagc	180
tgtgctgaca	tgcataagat	gctgtttgag	gaacgaaatc	atthttgccga	gatagagaca	240
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<210> 400

<211> 300

<212> DNA

<213> Homo sapiens

<400> 400

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aaaatgatgt	gatgatcaga	aaagaggctt	atgtgcacaa	gagtgtaatg	gaagaactga	180
agagaattat	tgatgacagt	gaaattacaa	agaagatga	tgttttgtgg	cctccccctg	240
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<210> 401

<211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 401  
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 agtggcgcca gcagcagccg cagcagccaa agagaggcaa gagaaagaga aagcgggcgg 120  
 tggaggggtc ccggaagagc tggccccgt ggttgagctg gtccccgtgg ttgaattgga 180  
 agaggccata gccccaggct cagaggccca gggcgctggg tctgggtggg acgcgggggt 240  
 gcccccaatg gtgcagctgc agcagtcacc actagggggg gatggagagg aagggggcca 300

<210> 402  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 402  
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 atttgaggag gacccttcca aagaaagtga cccattccgt ggctctgcca ctgacgactt 180  
 cttcaagaaa cagacaaaga atgacccatt tacctcggat ccattcacga aaaacccttc 240  
 cttaccttcg aagctcgacc cctttgaatc cagtgatccc ttttcacctc ccagtgtctc 300

<210> 403  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 403  
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 aagcactcaa atgggaagaa aggaaatgtc tcatcctgga agaaatcctg gcctaccagc 180  
 ctgatataatt gtgcctccaa gaggtggacc actattttga caccttccag ccactcctca 240  
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<210> 404  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 404  
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 ctcggtgcaa acttgatgag ctttctgcta agcgagagac tagtggagaa aaatccagac 120  
 aattaagaga tgctcagcag gatgcaagag ataaaatgga ggatatcgaa cgccaagtta 180  
 gagaattgaa aacaaaaatt tcagctatga aagaagaaaa agaacagctt agtgctgaaa 240  
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<210> 405  
 <211> 856  
 <212> DNA  
 <213> Homo sapiens

<400> 405

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gagttagatt	tcagagtcca	ggccctaggt	tgggaccac	tcacaataat	ctcctcggtg	180
tggttggtgg	ttctatagag	ggataaatga	ataataaaca	ttgttaaaat	atacgaaaaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	anaanaaaaa	300
aaaananaaa	aatnaaaaaa	annanaaaaa	aaaaaaaaaa	aannccctn	cncctaaaaa	360
nattcngggg	ggntttttcc	tccannccnn	ntntttaata	nnctncttnt	tgnntcttng	420
nctcaccnnt	tcttttggtg	ggcnntaana	naaaatnttn	nttttttttn	ggntanaaat	480
ncnntnnnng	ttttttntnn	ttttttttcn	aaaccctcct	ntntanctc	ncgtntcnaa	540
aaanntnttt	ntccnncnn	nttnntntnt	nctntttcta	ttttntttc	ttntncaann	600
ttccnangtg	nnnngngtnt	nntgnggctt	gtttnttttt	ncnncctngc	gtcatccnnc	660
caataatttc	ttnnccccc	nannccnnat	ttttntnnnc	ctctatntnn	gngngnnnat	720
atnantcccc	tttatntntn	atnantagtc	ntntnttttn	ttntccntng	tnatannatt	780
ttntntcccn	ntntaanttc	ctcannnnat	ttntnnnnnn	ncgngntata	tttnangnta	840
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<210> 406

<211> 843

<212> DNA

<213> Homo sapiens

<400> 406

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gtcacgagg	ttccangtag	gcatacgca	ctgctgtacg	tttttggtg	tttttaagaa	120
actcgatgaa	gaggggtgtc	attctgggt	cggggtggtt	gccaatttt	caccagaaag	180
ggagccaccc	cttgcaacca	cttctgtctc	cgttagcccc	ccctctgccc	tcctccaagc	240
caaagcgtgg	cctggctttt	gtcttcccat	ttagttttcc	tctttttacc	ttctttttgt	300
gcttaattta	ttaaaatagt	tgctgtataa	tttattttca	taaactataa	aaaaatacta	360
aatgggtaaa	atagacttgc	aggccaatct	taaatggggt	gggaggggtc	tgaggggtgg	420
atggggaaa	ggaaagaggt	tttgatntaa	acaaaacaaa	tgacttttgg	gtgtgtnnng	480
gnattttnt	ggggatanan	gggggtgggg	nnnnngnann	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
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nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
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<210> 407

<211> 743

<212> DNA

<213> Homo sapiens

<400> 407

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gagcccccac	cttcaactgt	tattccactt	atttaaaatg	tccagaataa	gcaaactctc	120
atatagagga	agtagattag	tggttgcttc	gggatgggag	gaatgggaag	attgaggtct	180
ttcttttgca	gtgataaaaa	tgctctaaaa	ttgactgtag	cgatgggtcac	acaactctga	240
atatgcttaa	gaccattgaa	ttacacactt	tacgttggtg	aattgtatgg	tatgtaaatt	300
atagttcaat	aacatagtta	caaaagataa	tcaaaagcat	gaaagcactg	ttgatgtggt	360

ttggatctgt	gtcctcaccg	agtctcatgt	tgaaatgtaa	gccccctggt	gggaggcgat	420
gggattatgg	ggcagagtc	tcacaaacgg	tttacaccac	ccgctcagtg	ctgggtctcct	480
gatattgagt	cctcatcaca	tctggttgct	tcaaagtgtg	tggtgcctcc	cctctatctc	540
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gtttcctgag	gcctncctag	aacaaaactg	ctgtgctttc	tgnncccatc	tacaggaccc	660
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nnnnnnnnnn	nnnnnnnnnn	nnt				743

<210> 408  
 <211> 746  
 <212> DNA  
 <213> Homo sapiens

<400> 408						
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tccagcacia	gcctctgcta	gtngatctca	cggtagaaga	aggtcaaaga	ttaaaggtna	120
tttttggttc	acacactggt	ttccatgtaa	tngatgttga	ttcaggaaac	tcttatgata	180
tctacatacc	atctcatatt	cagggcaata	tcactcctca	tgctattgtc	atcttgccca	240
aaacagatgg	aatggaaatg	cttgtttgct	atgaggatga	gggggtgtat	gtaaacacct	300
atggccggat	aactaaggat	gtggtgctcc	aatggggaga	aatgccacg	tctgtggcct	360
acattcattc	caatcagata	atggctgggg	cgagaaagct	attgagatcc	ggcagtgga	420
caggacattt	ggatggagta	ttnatgcata	agcgagctca	aagggttaaag	tttctatgtg	480
aaagaaatga	taagggnattt	tttgcatctc	gtgcatctg	gaggaagtag	cccaagtgtt	540
tttcatgacc	ctcaacagaa	attccatgat	gaacctggta	accagaagaa	ccccttgcca	600
cttatcttca	tggcggttatt	ctaattttaa	aagaacataa	ctcatgngga	cttatgccca	660
gtctagaggg	agaatcagaa	ggcttgggtg	gaacatatcg	ntttcctttt	tcctttcctt	720
cggccctncc	agnccagtc	atnttt				746

<210> 409  
 <211> 761  
 <212> DNA  
 <213> Homo sapiens

<400> 409						
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gcacatcttt	cagactctac	tatttccgtc	aagtttctgt	ttgatttgga	tcatctcagg	180
atcggaattc	gttttagagt	gtttctgggc	caggatccgg	gccccctgcc	tcctctgcac	240
ctgaccacac	tcctactca	gggctagtct	gttcttcccg	gacatcttct	ggtagccgtg	300
caggagaggg	ctgggtgggg	cagagccagg	aggggacctg	gtgtgtcacc	tgcccaccac	360
ctggctcatc	cctcangccc	accctgacct	tacattacat	aggttacgtc	agcctactgt	420
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atgaantggc	tctgtcctgt	cactggcctc	tccttgcttg	ggggctatgt	gcacttcaaa	600
accctggcca	agctcaagcc	catgaagnat	tggagaacac	cctgggcccc	caagaactgg	660
angcaccggg	ccanttcccc	tgggattcca	nctttgcca	ggtgaaccct	tcttttacct	720
naaacttntg	tccccctgnt	tccacttcca	aaaanaactg	g		761

<210> 410  
 <211> 748  
 <212> DNA

<213> Homo sapiens

<400> 410

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gaaaaancag	ctttgtcctg	ggtgaaaaag	gatgccaaaa	ttgcctggaa	aagagcagtg	180
anaggagtcc	gggagatgtg	tgatgcntgt	gaagcancat	tgtttancat	tactgggtc	240
tgccaaaaat	gtggatttgt	ggtctgctta	gattgttnca	aggcaaagga	aaggaagagt	300
tctagagata	aagaactata	tgcttggatg	aagtgtgtga	agggacagcc	tcatgatcac	360
aaacntttta	tgccaaccca	aattatacct	ggttctgttt	tgacagatct	tctagatgcc	420
atgcacactc	ttagggaaaa	atatggtatt	aaatcccatt	gncattgtct	aacaaacaga	480
atttacaagt	tggaaatttt	cctncatgaa	tggtgtatct	caagttttaca	gaatgtctta	540
atcacagtat	aaaattctct	gngcatgcct	gagtctcagc	gccaaaatcc	tcctccgaag	600
tctgagaaaa	atggtggcag	cnnccccana	aagtgatgtt	nggcnccaga	ttaccaggtt	660
aacttcctcc	agaatnccag	tcaccactgn	actggntagc	anatcttgcc	gagccaaaaa	720
gccnaagng	ggaaaaaaaa	aaaaaaaa				748

<210> 411

<211> 773

<212> DNA

<213> Homo sapiens

<400> 411

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atgcctggca	gctnngccat	gggcccggtc	acgaacaaaa	cgggcctgga	cgctcgccc	180
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taagaagacg	acggcttcag	gcccggctaa	ctttggcacc	ccggatcgag	gacaagttag	300
agagcaagtg	ggggtcgaga	ctttggggag	acgggtgttg	agagacgcaa	gggagaagaa	360
atccataaca	ccccacccc	aacaccccca	agacagcaat	cttcttcacc	cgcttgcaac	420
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atgttanttt	taacagaacc	nanaagggtt	gncctattgg	ttaaaaaaaa	aaaaaaaaaa	720
aaacttngng	cctttagaac	tattanngag	nccnatttac	nttaatccan	nct	773

<210> 412

<211> 774

<212> DNA

<213> Homo sapiens

<400> 412

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ccgagatgtc	atgggttcaa	gtgctggggc	cggcagtgga	gagttccacg	tgtacagaca	180
tctgcgcggg	agagaatata	agcgacagga	ctacatggat	gccatggctg	agaagcaaaa	240
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cgcaaagcgc	cggaagaagc	gccagaagtt	aaaagagaag	aaattactgg	caaagaagat	360
gaaacttgaa	cagaagaaac	aagaaggacc	cggtcagccc	aaggagcagg	ggtccagcag	420
ctctgcggag	gcatctggaa	cagaggagga	ggaggaagtg	cccagtttca	ccatggggcg	480

atgacaatgt	ttgccacagc	ctctgcctgg	aacctggctc	gtgctgtgac	cagaagggaa	540
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aaaggagacc	cccttccgag	cccgnctaca	gtcctgtatt	tggcaagggt	tgggaacctg	660
aaggggcaa	tntnccttga	cacttanang	cacttgctt	tcagacacca	ttccgngcnt	720
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<210> 413  
 <211> 773  
 <212> DNA  
 <213> Homo sapiens

<400> 413						
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gatgtatttc	anttaaaaga	cttggagaag	attgctccca	aagagaaagg	ctttactgct	240
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atcggaactt	ctaattatta	ttgggctttt	ccaagtaaag	ctcttcatgc	aaggaaacat	360
aagttggagg	ttctggaatc	tcagttgtct	gagggaagtc	aaaagcatgc	aagcctacag	420
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ncaaagactg	tgatcccgca	agttgtngga	agaaatcgcc	aagcaaatna	agtagcccaa	600
ggaactgctt	acagatggac	tgattacata	ttcgcaataa	aatcttnggc	ccaaagaaaa	660
atttnggggt	tgaaggaaaa	ttaaattggt	tngaaccttt	tggaatttcc	cgaaagactt	720
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<210> 414  
 <211> 755  
 <212> DNA  
 <213> Homo sapiens

<400> 414						
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gaaaacccca	ttttcaactg	agctatcttt	gtccagcct	gatactccag	actgtgctgg	300
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ctccttcaaa	catacaggga	atcctggaat	ggagaaaaca	tagaatcagt	gaaacaaacc	600
cgtagtccag	ttctgngttt	tcctgggata	tgaaaagaat	gaccanggac	tnctggagtc	660
aacttttcac	ttgaagaatc	tcaaggccac	cggtcattgg	ccacacactn	gaactccttt	720
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<210> 415  
 <211> 852  
 <212> DNA  
 <213> Homo sapiens



<400> 415

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ccnttcgtag	gatggtgagt	gtttccctgg	gctttgctca	tcacttcggg	acatcgtgga	180
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tgagccagct	ggactgggct	ggccgcctgc	cgcttcttga	gggtggaaga	ggggtgctct	300
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ccaccatagt	caaggctgca	ggctgccccg	ggagaagtgg	ctccccctct	tgcgccctgtc	420
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tgcccatctt	naaggcagnc	ccggaantgg	gaaaaatatt	tctttaaatg	gtggcctttt	540
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gaattgggnc	ccaaagggcc	ccaatggggc	antcggtcct	ttaaaaagna	acctttttgg	660
acctgggaag	aagaaaatca	cccagattgt	tgggaaatat	tttggnccatt	aaaataaant	720
aatggaaaac	ctnaaaaaaa	aaaaaaaaaa	aaaactcgag	cccnttaaaa	acttttagtg	780
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<210> 416

<211> 754

<212> DNA

<213> Homo sapiens

<400> 416

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tgttgaggag	ttcctagtga	gttgggggac	ctggcantan	agctgcttgg	ttggaggaag	180
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ctgatactaa	accagagaaa	gctgcagggt	gataaagaag	ctgtggctgt	tttttgcttt	300
tgggtggcaa	tgagaaaagag	tcacagtgtg	ggttaaaggg	atctgcagtg	gggccaaagg	360
tgccacccca	ccctcagctg	tangcaagct	tgacataaaa	taacccccgt	cagtggagtg	420
ttcgggatgc	agggggcant	atagtgttct	tggactttgt	ccgtcctggg	gcagttttta	480
agttctttat	atttaagtgg	ggtcagtgcc	aagtgtctacc	actttcccaa	taaangaatg	540
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acaaganttg	ctttggaaaag	ancctgtttt	taggggatta	ttttttgnat	accccgatgg	660
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<210> 417

<211> 755

<212> DNA

<213> Homo sapiens

<400> 417

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 <212> DNA  
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 <211> 739  
 <212> DNA  
 <213> Homo sapiens

<400> 420

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tcactttcaa	agagcatcta	tgaatttgcc	ttttgttaact	tactgtggct	ttaaacatat	540
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catgaagaaa	atgaagctgc	tgccctcaatc	ganccagac	agcagccata	ggcagataaa	660
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<210> 421

<211> 727

<212> DNA

<213> Homo sapiens

<400> 421

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<210> 422

<211> 753

<212> DNA

<213> Homo sapiens

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gggccaaaag	ccaactcttt	atgcctagaa	aatattgtgc	accctatgac	ccaagcccat	660
tgaatttttn	cngggaaatt	tatggtaaat	tattgaaatg	gatggtacct	ttaaaaagtt	720
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<210> 425  
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 <212> DNA  
 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<211> 750  
<212> DNA  
<213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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<210> 431

<211> 761

<212> DNA

<213> Homo sapiens

<400> 431

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ttgttaaaat	acattgaaga	gagatt	acat	actctagagg	aagaaaagga	agaactagct	360
cagtatcaga	agtgggataa	aatgag	acga	gccctggaat	ataccattta	caatcaggaa	420
cttaacgaga	ctcgtgccaa	acttgat	gag	ctttctgcta	agcgagagac	tagtggagaa	480
aatccagac	aattaagaga	tgctcanc	ag	gatgcaagag	ataaaatgga	ggatatcgaa	540
cgccaagtta	gagaattgaa	aacaaaa	att	tcagctatga	aagaagaaaa	agaacagctt	600
aatgctgaaa	gacaagaacn	gattaag	cag	aggactaant	tggagcttaa	agcccaagat	660
ttacaagatg	aactaccggc	aatagt	gaac	aaaggaaacc	gtttttttaa	agaaangccn	720
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<210> 432

<211> 748

<212> DNA

<213> Homo sapiens

<400> 432

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tcaatgagtt	aaagactgca	gaacaaatca	acgagcatgt	ttcaggcccc	tttgtgcagt	180
tctttgtcaa	gattgtgggc	cattatgctt	cctatatcaa	gcgggaagca	aatgggcaag	240
gccacttcca	agaaagatcc	ttctgtaagg	ctctgacctc	caagaccaac	cgccgatttg	300
tgaagaagtt	tgtgaagaca	cagctcttct	cacttttcat	ccaggaagcc	gagaagagca	360
agaatcctcc	tgcaggctat	ttccaacaga	aaatacttga	atatgaggaa	cagaagaaac	420
agaagaaacc	aagggaaaaa	actgtgaaat	aagagctgtg	gtgaataaga	atgactagag	480

ctacacacca	tttctggact	tcagccctg	ccagtgtggc	aggatcagca	aaactgtcag	540
cttccaaaat	ccatatactc	actctgagtc	ttggtatcca	ggatattgtt	tcaaaactgg	600
gtctgagatt	tggatccctg	gnattggatt	tcttaaggac	ttttggangg	ctcttgacac	660
catgcttcac	agaacttggg	cttcanaagc	ttcanttttt	tgcanagggtg	ccccagggtta	720
ggaaaacagt	tntncttgtt	ttgtannt				748

<210> 433

<211> 769

<212> DNA

<213> Homo sapiens

<400> 433

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aattcttagg	gaacttaccc	aaaatggctt	ttctgcactc	tgccctttgg	tattgtccca	180
tgtgaattgt	ttaaaactta	tgtgtatagt	ggcatgagta	ggtgatttca	gaaacagaac	240
tcacttttgt	tgtttggctt	taaaattagg	aacttttctt	catctgggct	tcatttccct	300
gcaccttccc	agctttctag	tcatgcaagc	cacatgtctc	cacgtgaggg	gttcattgga	360
aagcagccac	agagccaccc	cctggctggg	ttcttcccca	gctctgcttc	ctccttcccc	420
aagtccctga	gctgctctct	ccatggcaga	accacttctc	cccttactgg	aggggaggtc	480
cactgaacaa	atccaggaga	ggaatcattg	tgttttccac	agaagagaaa	gtacactgga	540
ctttctgtgc	aacctgttac	tacattttca	caganactca	tatttgtgca	ntgtaactca	600
atttgaaacc	cagcaaaaatt	aggctcccgt	gtctccataa	aaggccacca	tgatggtaac	660
cgttggaactt	caccttgtgt	ttnggacana	ngctgattgg	attttaccba	tcatcacanc	720
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<210> 434

<211> 764

<212> DNA

<213> Homo sapiens

<400> 434

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gtgcaggaca	caagctcatg	cccccgctct	gccagtgaac	cttgaagcct	cccgacttcc	180
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tttttgagat	ggagtctcgt	tctgttgccc	aggctggagt	gcagtggcct	gatctcggtt	300
cactgcaacc	tctgcctccc	aggttcaagc	gattcttctg	cctcagcctc	cagagtagct	360
gggactatag	acatgcacca	ccacgcccgg	ctaattttgt	atttttgggt	gagacggggg	420
tttgccatgt	tagtcangct	ggtcttgaac	tnctgacctc	aagtgatcca	ccactcggtc	480
tccaaagtgt	tgagatgaca	ggcacgagcc	accagcccaa	cctgagtggg	attttcttta	540
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taaataaatt	tctgcccagg	aaacnttncc	aagccccaac	cagcaagcca	acccttaaaa	660
aaaaaatcac	ttcgtgttcc	ccaangggan	ctttnttaaa	gctttggggg	cttccaggna	720
aatcatttcc	cagtnnaant	ttggaagaat	tcannagnat	ttnt		764

<210> 435

<211> 755

<212> DNA

<213> Homo sapiens



<400> 435

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tncagatncc	ntcgattcga	attcggcacg	agggatcctt	tccagacaga	agaccccttc	120
aaatctgacc	catttaaagg	agctgacccc	ttcaaaggcg	acccgttcca	gaatgacccc	180
tttgagaac	agcagacaac	ttcaacagat	ccatttggag	gggacccttt	caaagaaagt	240
gacccattcc	gtggctctgc	cactgacgac	ttcttcaaga	aacagacaaa	gaatgaccca	300
tttacctcgg	atccattcac	gaaaaaccct	tccttacctt	cgaagctcga	cccttttgaa	360
tccagtgate	ccttttccat	ctccagtgtc	tcctcaaaag	gatcagatcc	ctttggaacc	420
ttagatccct	tcggaagtgg	gtccttcaat	agtgtctgaag	gctttgccga	cttcagccag	480
atgtccaagg	gtgcctgggg	aagagccact	gcgcattgtta	tctttgggtg	tactccagtg	540
ttgaacanag	agctggctcag	aggcagtgc	tcgcanagag	acattaataa	gggaatcctt	600
tgaatcccta	ancagcanca	gctttnctga	nggggccnat	gatgccagt	acctnttcan	660
ggnaagtctg	ggacattggg	accaccctgg	ggggaagaac	ttgtgggatg	tggcttttct	720
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<210> 436

<211> 760

<212> DNA

<213> Homo sapiens

<400> 436

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attggaggaa	atattgggga	acgctgcctt	gatgatgaca	cttacatgaa	ggattttatat	180
cagcttaacc	caaagtctga	gtgggttata	aagtcaaagc	cattgtagaa	gacttaacaa	240
gctgcagata	accatgtgga	cttctgtcat	aattcttgc	gagtcaagag	tgtaataaaa	300
agaaatggca	ggactcatat	tattcagttg	tccaagtat	ttaaaaatga	ctctcttaag	360
ccttaaaaag	tcatagattt	gtgctgctgc	cagaattata	ttaattatta	ttaattggtat	420
tattagaaaa	aaaatttctg	gagtgagagt	naanganctt	aattagtttg	tgggcagttt	480
tcatatgctc	tgtgaaatgt	gtccagatgt	gacataagtt	ttttttttta	atatggngga	540
aatgncttct	ctttcccat	cttttctcct	aaaaatcata	tatactggga	atatatgcct	600
ctnttacctc	tattaccctc	ctcacattta	ccctttccca	gttnggtttt	gctttttnac	660
caaaaagatt	ccaatnccna	ggtattggca	agttntnaaa	accgccntt	aaacatccct	720
aatttcncag	nattccnnnc	ttgccaaatn	ttngtntcnn			760

<210> 437

<211> 748

<212> DNA

<213> Homo sapiens

<400> 437

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tgaaaccatc	ataccttctg	aaagaaaaaa	gcatacttcc	attgacataa	cagaagtggag	180
atggcccagt	cttgatacag	atgggtccatg	atatatatgg	agagtggcat	tgtgaagata	240
acatcttttag	atgggtcatgc	atacctctgc	ctgccagat	ctcagcatga	atttacagta	300
cattttttgt	gtaaagttag	ccagaagtca	gactcatctg	cagtgttgct	agaaacaaat	360
aataaagccc	caaaagataa	actagttgaa	aaaactggca	aaatctgtat	acgtggaaat	420
ttaccaggac	agagactgaa	gaataaagaa	aatgagtttc	attgccagat	catgaaatcc	480

aaagaaactt	taaagaagat	gagttgtgta	aatggaactg	aagggagggg	aagaactgcc	540
ttcgccctgg	acaaagcaca	catgtgtata	cacatgggtc	aagcagtgc	ggtctgtggc	600
tgntgttcca	gangaatgga	aatatccttg	gcttttagcac	ttcattttca	taataaaatc	660
agcaattntg	tctaaaaaaa	aaaannnana	aaaaactnga	gcctntanaa	ctntagtgag	720
tcgtattacg	tagatncnna	catgataa				748

<210> 438  
 <211> 823  
 <212> DNA  
 <213> Homo sapiens

<400> 438						
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tagctgagac	taccacacacc	ttgggtcccag	ctacttgagg	ggctgaggtg	ggaaaatcac	120
tttgcccagg	aattcaaggc	cgcagtggag	tatgattgca	ccactgcact	ccaggcaaca	180
gagtggagacc	ctgtcttaaa	aaaagaaggg	agaaagtgtc	agatgggtgat	gaggtctggg	240
ggggaaatag	agaatgggga	tcaggagtg	ggatgggtgg	attccctcac	caagaggtga	300
catgttgagc	aggggaacttg	ggaggtggag	gtgtgacccg	tgtggaaatc	agggaaaagc	360
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gagcttgggg	taggggggcan	gtgangaggc	tggagagcgg	ggtcagacaa	accaatatgc	480
ttatttaaaa	caaggttggt	ncagcacct	tgctttaaag	ccttgagcct	gnaancnnga	540
aaaatttggg	cacnttcaaa	agcanggang	gaaacaaaa	gaagattggg	agggaaaagc	600
ccttncnttc	ccttancagg	aaatgaagtt	nccacccttn	aaaacaggnc	caggaccttt	660
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gnaaaagggg	cctttaaggg	gggatcccat	tntttccaaa	attcaaaggg	ggctttccct	780
gggcttaccc	aaaatttctt	ggnottaant	aaaaaaattt	ntt		823

<210> 439  
 <211> 767  
 <212> DNA  
 <213> Homo sapiens

<400> 439						
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atctatcttt	aactctcttt	attgtgagtc	taaattccaa	ttctgcagca	gatcagtaaa	180
ctcacagtat	ttttcctgtg	gaaatctatt	caataaggaa	accaagacag	gatantaaaa	240
tttaaaaaaa	ancaactttg	aattcccctg	cctaggtcct	ccagttgttt	tccagcgcct	300
acctcaggta	tgactttgct	agccggggac	aaaattagca	ccttccgatt	ctctagtcca	360
aatgaacttt	ggctaataaa	aaaattatta	tactacataa	taaagttnc	gatagcagga	420
aatgcaagag	ctaggagatt	cctagattat	atctggccaa	gccaaatacc	ttaaaccatcc	480
acctggaaat	cctctacccc	ctcttctgag	ataatttgcc	cagccctttc	ttcccacaca	540
ctcactcaat	gtcaccccct	tctaattccc	aaaactgttt	ttgtggcctt	ggtagcctat	600
agtagtttct	cacatctttt	cccctanact	tttctgtttt	cagtttcaga	ccaaaaaac	660
tcttcaactt	ttttccagtg	gggtcttcc	taccagtaac	tttaccactt	gnaatcttat	720
ttcattgaaa	aaaccttaaa	tgggntggga	aaaggcttgc	cnncann		767

<210> 440  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 440

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tcatcaagag	gaccatcttg	aaaatcccca	tgaatgaact	gacaacaatc	ctgaaggcct	180
gggatttttt	gtctgaaaat	caactgcaga	ctgtaaattt	ccgacagaga	aaggaatctg	240
tagttcagca	cttgatccat	ctgtgtgagg	aaaagcgtgc	aagtatcagt	gatgctgccc	300
tgtagacat	catttatatg	caattcatca	gcaccagaaa	gtttgggatg	tttttcagat	360
gagtaaagga	ccagggtgaag	atgttgacct	ttttgatatg	aaacaattta	aaaatcgttc	420
aagaaaattc	ttcagagagc	attaaaaaat	gtgacagtca	gcttcagaga	aactgaggag	480
aatgcagtct	ggattcgaat	tcctggggaa	cacagtacac	aaagccaaac	cagtacaaac	540
ctcctacgtg	gtgtctactc	ccagactncg	tacgccttca	cgtntcctn	catgctgang	600
cgcaatacac	cgcttccttg	gtcangaatt	agaagctact	gggaaaatct	accttccgac	660
agaagagatc	atttttagatn	taccgaatga	anaaagcttg	cattagtgc	attgaaaggg	720
aaataaaaaat	tcctacagtc	naaaaaaaaa	at			752

<210> 441

<211> 775

<212> DNA

<213> Homo sapiens

<400> 441

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actngcncna	ncaanctngc	cntgcgaatt	cggcacgaga	agnaggcgga	gcttgacgtg	120
agctgagatc	gcgccactgc	actccagcct	gggcaacaga	gtgagactct	gtctcaaaaa	180
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ancggtatta	tacctatggt	gnatttgcag	gcaaattgaga	tgganccctc	tctgtaaaga	300
agagtcattt	gtgcaagtag	acggggtctg	tgggtgcang	ccctggaggg	gcacacaatt	360
gcctgnangc	ttctgtgana	tcggggagang	gaggagaagc	agtctcttga	caaaataaag	420
tatttttatt	cattngtatt	tattaaatga	aaaaacaatc	ccatgggtgtc	ccttgtgtgt	480
ggtggaacct	aatgactggt	gaaataaagt	ctgngttttc	ccttcaaaaa	aaaaacncnn	540
anaanaaaaa	ctcgagccct	ntaaaacctn	tnngnagtc	gnattacctn	anatccnga	600
cnttgataag	gatccattga	tnaantttgn	cccaacccca	actnngaag	ccnngaataa	660
aaattgcttt	atttgggaaa	tttgcnaatn	ctttgcttta	ntttgnacc	antttanct	720
cannnnccaa	gttacnancn	ncaattgcnt	tcatttangg	ttcaagggtc	aagg	775

<210> 442

<211> 804

<212> DNA

<213> Homo sapiens

<400> 442

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ggggacaggg	tgttttagcc	aggcttgtct	gcgcctcagg	gaagggtgag	cagcccagg	180
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cctaaccagt	cgctcctatg	gagcagtcag	ccttctctct	ctcctcagg	cagctctccc	300
acctgctgnt	ccccgcacac	agaacctcat	tgctctgagc	agttgcttat	taccagttg	360
ttgaaaaact	agcatgtgan	ggccggggcg	ggtggctcac	gcctgtaatc	ccaacgcttt	420
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gtgaaacct	gtctctacta	aaaatataaa	aaagtancca	ggcgtgggtg	tggccccgt	540
agtnccaann	tacttgggaa	gctnangcan	gaanaatggc	ntgaacccaa	gaaggaagaa	600

cnttgcantg	aancttaaaa	ttgcgcccac	tggaatttca	aaccttgggc	cnanaanaat	660
tgaagaatcc	cgtcttaaga	aaaaaggaaa	aaanttttnc	ntntnaaag	gcccggccac	720
aantnggctt	taacgccttg	gtaaatnccc	aancactttt	tggggaaggc	ccaaaggcaa	780
ggccnggatt	caattttnna	aggg				804

<210> 443  
 <211> 786  
 <212> DNA  
 <213> Homo sapiens

<400> 443						
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cactcatttta	ttctgttttt	gtaaaacagt	ttcaagaatt	taaaaatcct	tccagttaat	180
agagcttttg	ttattatatt	ataattttgt	aaaccactt	tgtttttccc	actttaaacg	240
cacagggctg	actcatggat	gatacctcta	ttgctgctgc	atgatgttca	agaccggccc	300
ttggtctgtg	ttacagagat	ggtgggcaga	gctatgcagg	tgtttcattg	ngaactctag	360
ctttgatcat	ggtaaaaaag	taaccctttc	tattttttta	tggatgttat	accaactatt	420
cagaggactc	atacttcaaa	aatattagga	aaatctgtct	tatagttctc	taataaatat	480
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cttngg						786

<210> 444  
 <211> 760  
 <212> DNA  
 <213> Homo sapiens

<400> 444						
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acnccaggan	ncangcgttg	cgaattcggc	acgaggagga	attacaggta	gcaaatttatg	120
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ctgcaggagg	agccactggt	tttccctgaag	ttggagctag	tgtttggccc	aaaaaaggaa	300
ctgctgtttt	ctggtataat	ctggtgccag	tgggagaagg	agattatagt	acacggcatg	360
cagcctgtcc	agtgtctagt	gcaacaaatg	ggtatccaat	aaatggctcc	atgaacgtgg	420
acaagaattc	gaagaccttg	tacgttgtca	gaattggaat	gacaaacagg	cttccctttt	480
tctcctatng	gtgnactctt	atgtgctgat	atnccatttc	ctagtcttaa	ctttcaggag	540
tttacaatng	ctaacactnc	atgatngatt	cantcatgaa	cctcatccat	gttcatctgn	600
ggcaattgct	taccttgggg	gntcttttaa	aaagtaccac	gaaatcatca	tattgcatta	660
aaacccttaa	aagttctggg	gggnatcaca	gaagacaagg	ccnaanttna	aagnggagga	720
attttattat	ttaaaagaac	cttttgggtn	ggatnaaaan			760

<210> 445  
 <211> 761  
 <212> DNA  
 <213> Homo sapiens

<400> 445

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aaagaacttg	gtcataaata	tgataatgag	aagacaaagt	atztatatta	aaacagttta	180
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tggtggtcat	tgatggcctt	tagtaaattg	gagctgctta	atcatattga	tatctaattt	360
cttttaacca	caatgaattg	tccttaatta	ccaacagtga	agcactacag	gaggcaactg	420
tggcattgct	tccttaacca	gctcatgggt	tgtgaatgtt	ataaaattgt	cactcagata	480
tattttttta	atgtaatgtt	atataagatg	atcatgtgat	gtgtccaaac	tatggtgaaa	540
agtgccagtg	gtagtaactg	tgtaaagttt	ctaattcaca	acnttaattc	ctttaaaatn	600
cacanccttc	tgccctctgna	tttggaagtt	gtcagtncaa	ctcatcaaag	aaaactgcct	660
aatntnaaaa	tcatattntg	ggaataattt	ccctcttttg	tagtctgccc	aagatcctta	720
aagattggat	ttttattact	atttaaacca	gtggattaat	n		761

<210> 446

<211> 770

<212> DNA

<213> Homo sapiens

<400> 446

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cgaactcgct	cnannagnaa	ggccgggnga	attcggcacg	aggccccgct	ccatgagcag	120
tgactcccca	gctcctcctg	gcaccagtcc	ccagggtctt	cctgttggtta	gttcctgctt	180
ttcttcttgg	aaattcctcg	tggacctcga	gatctttacc	ctaaaatagt	tctgttgaat	240
ttcaccctgg	caatgtaaat	tgatagctta	tcttcacaga	tgccagacaa	tggacaactc	300
accatcagtc	ctctgctcac	ctgagacaaa	tgcatgtctg	attgcttcct	ctgccctatt	360
ggntatgtga	aaatgcagat	tactgagcc	agactaaggc	atcagtgact	ggtcctctac	420
ctgcctctca	catggagatt	gggtattcag	tgaaaggctg	atcaaagacc	caaaggaatg	480
caacagttta	tctcttatct	acctatgacc	tgcgantctg	caccaccccc	agntggngcg	540
cctttccaga	cagaaccagt	gtacatctta	cacgtattaa	atngatgtcc	cnggggctcc	600
cnaanangna	tcaaacaagc	ngggcctcga	ccaccttggg	cacatatccc	nanggacatc	660
annctggagg	ctngngncac	tggcattggc	cctnaccctn	ggcaaaaata	accttctaaa	720
attggnaaaa	aanaaanaa	aaaaacctng	nnccctntna	naacmntacg		770

<210> 447

<211> 757

<212> DNA

<213> Homo sapiens

<400> 447

tggtatnntt	tnaangctgg	nngnnnggcn	ccgttccaat	gnctgggganc	nttggcaatc	60
gctctttccg	nangatccca	tcgattcggg	ctgatgcagg	agaattgcta	aaaccagga	120
gggagagggt	ncattgagcc	gagattgcgc	cactgcactc	tagcctgggc	gacagagcaa	180
gactccgtct	cgaaagaaa	aaagagaaa	gaaattcccc	agggaagtac	ctcggcttat	240
ttcataaaca	ggtactgaag	gaagcagagg	catgtggagg	acttccccac	ctcgtgcagc	300
tatttggggc	gtggcatctg	aaatttctta	tttcagagtc	acccctttga	tgaccttggc	360
agtgaactgc	agtcactctg	ttaggccttt	ccatggccca	cgtcaatgcc	gggtatttctg	420
tttggtgcac	atttgatttc	cttggtgttg	gcatttagaa	ggccccccgt	ttcccagatc	480
acaccacggg	catggaccac	agagattgca	tcttgtgagt	ctgtagaaat	gggtcaaggcc	540
ttgtcctctc	ttaagtccag	agctcangtt	aatgcaaaa	tttnccggnc	atctgtgctg	600

aaatcccttt	ggggaagctc	ctggctgggt	tcctgtaggt	aggacagcta	cacgtnctgc	660
cctttattgg	cttcttttca	tgaagctcct	gccatntacn	aaacatgtct	cccttcttga	720
atcacatctc	tggtattgna	actctanaat	cgccccg			757

<210> 448  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<400> 448						
gggtgnnnng	tttctaattg	ttggtngnnc	nggnccnacc	tttctaattg	tcggaanggc	60
ttggctactc	gntctttctn	cangnagccc	ntcggtncga	attcggcacg	aggtgtcttc	120
atcttaccce	gtggaacctc	agaaattaaa	ttctccagaa	gaaactgctt	ttcagacacc	180
aaaatctagc	cagatgcctc	ggccttcagt	gccaccatta	gttaaaacat	caactgtttc	240
ttcaaaatta	tctacacctg	atggtgtgag	cccatttggg	accccatctg	gctctagtgt	300
aatgaatcgg	atggctggaa	tttttgatgt	aaacacctgc	tatgggtcac	cgcaaagtcc	360
tcagctaata	agaagggggc	caagattgtg	gacatcagct	tctgatcagc	aaatgactga	420
atthtttaat	ccttctccat	ctacctctat	tagtgctgag	ggtaagacaa	tgagacaacc	480
cagtgtgatt	tattcatgga	ttcagaataa	acgtgaacag	attaagaatt	tcttgtcaaa	540
acgggtgctg	ataatgtatt	ttttcagtaa	gcacccagag	gcctncattc	aggctgtttt	600
ttcagatgcc	caaattgcata	tttgggcatt	agaaaggctc	gtcgcactta	gtagcagcat	660
cattttacag	aggatagatt	tggagtgtgc	cagacgacac	taccagctat	ccttaatact	720
ttgttgacac	ttgcaagang	cagtengaca	agtactttaa	cttctctcat		770

<210> 449  
 <211> 792  
 <212> DNA  
 <213> Homo sapiens

<400> 449						
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ganntcgaac	tntcncnaca	cagnnangcn	ntgcgaattc	ggcacgaggn	cnnctcnatn	120
atnacttgnt	cncanccgnc	tggcatcnac	ncgncacacc	tacntnagcg	cnttgtagcg	180
caatatncac	ctnnntnaaa	ccnnnagtc	cagggctctg	ccnnnnnact	gntcaactga	240
cnaacnacnn	nctancncaa	cntnnnnnta	ngcncctgnc	tgncctctat	gcacctnncc	300
tncntcncn	cntnaccenc	tacgctcagg	gctatataca	atgggaacct	tnccaacagt	360
aanccntgga	tctnaggnat	ggcccttgnc	tggcggatca	cagccttnna	gcntatcagn	420
atcttgagga	agacaccatt	ccgtcccnga	ttntgaccaa	ncnctcggat	gtgnctatgg	480
gctcnattga	ggnaacaaca	ctnnnactgc	nnataggcca	tcctcnnnan	nctacacatg	540
ngactttncn	nnncatntna	aatgnnnana	tgtctctcnc	aagcatcacc	cnctgtccct	600
ncgnentent	ggaagacctt	ctgnncaact	ganctccttc	ntgnnnnnnn	ngattnttnc	660
nnnennaata	tnctntcccc	aatgnccttg	tnnnngnattt	atnangggnt	ttccaatttg	720
ggntaattca	ntnccnccg	nannctannn	ncccatnaac	cntcngngcc	ttcttgnaac	780
ccttttnnct	gg					792

<210> 450  
 <211> 848  
 <212> DNA  
 <213> Homo sapiens

<400> 450

gnatgncccg	atttccttaa	tgatggggnn	nnnnngagcg	anncttccga	aanttccaat	60
annctgggng	ntcgcaactc	nctcnanaca	gnaaggncgn	gggctttgct	ctctccattc	120
caagttgntc	tctgttctag	aaagcagatg	tagtagacat	ctactgttgt	tgctgaaca	180
gaatcccttt	gtcctttttt	tgntaaaagt	actcatccct	aatattcatt	gtncgtgaag	240
gactgaaaat	acagaactca	caccatgatc	ggccgggaca	atcagattat	ttcatccnc	300
agcaaacgga	gatcganccg	aaaagtggaa	anatgagcnc	ttctttggng	ttggcatatg	360
gaccctgaga	gaaagaactn	tnattntttc	tcttggactg	caataaagta	tagctgccta	420
aaatacgntt	cctgacactt	ggaggnttgt	ccacaatcgg	ngaaataaag	gcgagaccgn	480
acactggatg	aaaaaaanaa	gnnnccngnn	gaanaccac	tnnnccannn	nccnnccnn	540
tnccnccann	nganccnnn	tancegnnan	naggccnnng	cnntngcnn	nnngccnnnn	600
nnnnnnnggg	aaaccnncnn	gnnnnnccnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnggnnctnn	nnnnnnnnnn	ccnnnnnnnn	cnncnnccnn	nggnaanncc	nnnnnnnnnn	720
annnnngggnn	nnnnnnnnnn	ccnnnnnnnn	cannnnnnnn	cnnnnnnggn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	acnnnnngnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnncccc						848

<210> 451  
 <211> 765  
 <212> DNA  
 <213> Homo sapiens

gnnnnnnnntt	tactaaatgc	ttgggnnnnn	nnngagnn	nttncnnagt	ttcctaanta	60
gcttnggna	ctcgttctnt	ctncangcag	nnntgcgtn	gncgaattcg	gcacgagcat	120
tctccttttg	ttaacgaagc	aacatttaca	caagatggac	attacattat	tagtgcattc	180
tctgatggca	ctgtaaagat	ctggaatatg	aagaccacag	aatgttcaaa	tacctttaa	240
tccctgggca	gcaccgcagg	gacagatatt	accgtcaaca	gtgtgattct	acttctaaa	300
aacctgagc	acttttgtgt	gtgcaacaga	tcaaacacgg	tggtcatcat	gaacatgcag	360
gggcagattg	cagaagcttc	agttctggta	aaagagaagg	tggggacttt	gtttgtgtg	420
ccctctctcc	cgtggtgaat	ggatctactg	tgtaggggag	gactttgtgc	tctactggtt	480
cagtcagtc	ctggcaaact	ggagagaact	ttgacagtgc	acganaagga	tgtgattggt	540
attgcacatc	accctcatca	gaacctgatt	gctcctacag	tgaagatgga	ctcctaaagc	600
tctggaaacc	ataattcaac	ttttcttttt	taaatacaact	cgaaagcatg	tncttaaagt	660
aacatattca	tgtaangggc	tttttttttt	tgncactttt	ctaagcaa	agatggctga	720
attagtca	gaataaattt	gngaaaatca	tggttaa	ccaac		765

<210> 452  
 <211> 765  
 <212> DNA  
 <213> Homo sapiens

nnngnnnnnn	ntttcctaaa	tgttggggnn	nnnnnnngnn	nnnnnttctn	atgttcctan	60
ngcnnnggng	ctcgttctnt	ctncacgnng	ccngtgcggt	gncggtctga	ttgaaagctg	120
ttcaggttta	tcatgcaaat	cctcgccctc	ggctacggct	ggctgaatgc	tgcatgtctg	180
ccaataaggg	gacttctgaa	caagaaacta	aaggccttcc	cagcaaaaaa	ggaattgtnc	240
agtctattgt	tggtcaagct	atcatcgtaa	aatagttttg	gcatcacagt	ctatacagaa	300
tactgtttat	aatgatgggc	agtcttcggc	cattcctgta	ccagtatgga	gtttgcagcc	360
atatgtctca	gaaatgcctt	gttgctgctc	ctgaagaaca	gcaagatcca	aagcaggaaa	420
atggggctaa	aaatagta	caattaggtg	ggaacacaga	gagcacgaaa	gcagtgaac	480
ttgcagcagt	naaagccatg	atggagatna	attcattcca	gcttcacctt	cttctccatt	540

gagaaaacag	gaattagaaa	acttaaagtg	ctccatactt	gcttgcagtg	cctacgtggc	600
tctggctttt	gggtgatacc	tcatggcttt	gaatcatgcn	gatnaacttc	ttcagcagcc	660
caagctgcag	gatctcttaa	gttttgggac	atttatatgc	tgcagaaccc	ttatcttctt	720
cgacngaant	tctgtgcctt	tctcacttga	ccccgagaat	gtacct		765

<210> 453  
 <211> 833  
 <212> DNA  
 <213> Homo sapiens

<400> 453						
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ntgcgattcg	aattcggcac	gagagaaacg	ttctcagggt	gaccagctgc	tgaatatttc	120
tttaagggag	gaagaactta	gtaagtcatt	gcagtgcag	gataacaatc	ttctgcaagc	180
ccgtgcagcc	cttcagacag	cttatgtgga	agtcaagagg	ctacttatgc	tcaagcagca	240
gatactatgg	agatgaatgc	actgaggacc	catagaatac	agattctaca	ggggattaca	300
agaaacatat	gaaccttctt	gagcacccca	ggttttggca	ttagaaaatg	ggtagccctt	360
ggttcaaaaa	tgaacaaaga	aagccttaga	tttgatggg	ggaacctgat	ctgtccagtc	420
tagaaggatt	ccagtgggga	aagtgtttcc	atttccttng	tcccctggct	tggccaagga	480
aagcgaaagc	cctttcttga	anagcaaccg	tggatcattn	gaccaggaac	ttccttcttg	540
ggtatttaag	ttctttcaan	tggaaaggaa	aggttccang	gccaaaggaa	aaatggaagc	600
cccccaaccng	atgggtttca	cctaantaa	cctcaattgg	aagggttgg	accaagaacc	660
cnggaaaggc	nanccattgc	acccttaaaa	ncaaggaaag	tggaccacct	ttggggcttg	720
ncnttcctnt	ccgaaccagg	ttgaaaangg	gcttgaaaaa	tggttgctta	cccaaaaggg	780
cgnacnttaa	tggcaccaat	tattcctntg	gacctttttt	aatanccttt	ngn	833

<210> 454  
 <211> 737  
 <212> DNA  
 <213> Homo sapiens

<400> 454						
gnggnnnnnt	ctaagttcct	aatnctgggc	tactngttct	ttctgcagg	atcccatcga	60
ttcggaacaa	tcaatgtgga	ctgaacataa	atcacctgat	ggaaggactt	actactacaa	120
cactgaaacc	aaacagtcta	cctgggagaa	accagatgat	cttaaaacac	ctgctgagca	180
actcttatct	aaatgcccct	ggaaggaatn	caaatcagat	tctggaagcc	ttactattat	240
aattctcaaa	acaaaagaat	ctcgtctggg	ccaacctaaa	gaacttgagg	atcttgaagc	300
aatgatcaaa	gcttgaagaa	agcagtaagc	aagaagagtg	caccacaaca	tcaacagccc	360
cagtccctac	aacagaaatt	ccgaccacaa	tgagcaccat	ggctgctgcc	cgaagcagca	420
gctgctgttg	ttgcagcagc	agcagcggca	gcagcagcag	cagctgcagc	caatgctaag	480
gcttccactt	ctgcttctaa	tactgtcagt	ggaactgttc	cagttgttcc	tgacctgaag	540
ttacttccat	tgggtgctact	gntgtagata	atgagaatac	agtaactatt	tcaactgagg	600
aacaagcaca	acttactagt	acccttgcta	ttcaggatca	aagtgtggaa	agtatncagt	660
aatctggaga	agaaacatnt	taaccaggaa	actgtanctg	atcttacttc	caaaaaagaa	720
gaagaggaga	gccacct					737

<210> 455  
 <211> 718  
 <212> DNA  
 <213> Homo sapiens



<400> 455

ggnnnnnnntt	tnnnngttn	cntaaaaann	tgggctactc	gttctttctn	cangnagccc	60
ntgcgatnec	aattcggcac	gaggatgagg	agtgtttaat	cattgataca	gaatgtaaaa	120
ataatagtga	tggaaagaca	gctgttgtgg	gttctaactt	aagttccaga	ccagctagtc	180
caaattcttc	ctcaggacag	gcttctgtag	gaaaccagac	taatactgct	tgtagtccctg	240
aagagtcacg	tgttttataa	aaacctatca	aacgagtata	taaaaaattg	atccagttgg	300
agagatttta	aaaatgcagg	atgagctctt	aaagccaatt	tccagaaaag	taccagaatt	360
gcccttaaat	aatttagaaa	attctaaaca	gccttctgtt	tctgagcaat	tgtctgggtcc	420
ttcagactcc	tctagtggc	ccgaaatctg	gatggccttc	tgcatttcag	aagccaaaag	480
gacgattgcc	atatgaactt	caggactatg	ttgaagatac	atcgggaatac	ctagctcctc	540
aggaaggaaa	ttttggttat	aagttattta	gcctgcaaga	cctgttggtc	tctgctgtgc	600
agtgtncaga	ggatagagnc	agaccacgtt	ctaaaacnga	gaaatcagaa	gacatttnca	660
gttatgtctc	caaaagttag	tntcagctgt	atgagttgac	tctgctgaaa	gtgacttg	718

<210> 456

<211> 739

<212> DNA

<213> Homo sapiens

<400> 456

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ttcgcctggg	aggctgagtc	aggagaaatt	gcttgagccc	aggagatgga	ggttgacgtg	120
agccaagatc	atgccactgc	actccagact	gggcaacaga	gggagactcc	gtctcaaaaa	180
ctaaaaaaa	aaatncattt	agtataccgg	ggggtggggg	ggagaaataa	tgttatttcc	240
tatgcgaaat	gacgtgtatc	cctgtaccca	tgggtaaatg	taaatatact	gtgtctcttt	300
tgggagagcc	ttttagtaga	ggagtcttat	atgaagtctc	tcataagtag	ttcacttgag	360
ttttgcagtt	tgaatcttta	aaggagcttt	aattgacatt	tattatacca	attaagcttg	420
gaatggggca	atggatgcat	ttccaaaacg	tgtgaaagcc	taacagctta	tattgctgaa	480
tgagaatctc	ctgggtgtaa	tttancactt	agggaaactgc	gtgaacactc	ccagccatta	540
tgatgctgg	accagcttta	ntgtntaaat	gccatganta	ttctttctgn	tctgttttgt	600
gctctcttgg	tncattttatt	ttacccttta	cngaataatt	tcttgtaaaa	tcntaaaaaa	660
tntttggcat	ttaaaagtcc	nntcttggan	tnaanann	nnnaaaaaa	ancttncccc	720
tttanaactt	tnnggggct					739

<210> 457

<211> 743

<212> DNA

<213> Homo sapiens

<400> 457

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tggttgncca	attcggcacg	aggnnanagg	gnagctacat	gnntnaccnt	ntnngnctc	120
tcagccangc	tcnncnnnn	ctggctctac	tgctacatag	aacacttggt	ntncnnggna	180
actnntntat	gtnnccnnga	ntctctgnna	ctngttttaa	tgctanttga	taacaggcta	240
tgcaaggnet	gnaagtggan	agcgtcatca	ttcatcatnc	ntnttanctn	gantnnntgt	300
atcctacatg	ctttgattgg	taaatgngcn	tcagactggg	actctcaata	aatgnatata	360
gangancttg	ctgtggaaan	ctgtcctctc	ntatctntnc	atgngnaant	tccactncag	420
tntgaactcc	aaatgcnnnt	atngngnanc	cctncttgta	tagtgggtgc	cattccaanc	480
tgcnagggnc	tagaaaccgt	cggctntngg	aaacnatggg	gnnagttgan	ctggtacang	540
cngttntcac	ctgcanctac	cataaaatgg	gnntacccaa	gctttatcat	ggaatggnta	600
taaaaaacgc	attnattgng	cctttntaan	cccattatnt	gttnaatttn	acttatgggt	660

ccccccattn aaattatnca attgggnann gangcttcna gtcnccatnt ttnaatggnn 720  
 tttncaaaaa aacgnttttt ttt 743

<210> 458  
 <211> 906  
 <212> DNA  
 <213> Homo sapiens

<400> 458  
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 ttggttaggn gctcgnnctn tctccacna gnnnngcggg gcgaattcgg cacgaggctg 120  
 aatcaaggat cacaaactnc acatttngca cnttggtctn cacatncntg gttngggcag 180  
 tcncagtnaa catggctntg gaaactnatn ttngnctngc ntcaaccatc tcgttcccng 240  
 gggacccann ntccnnnatc ncgnnttncc tcgnnnatng gagngctnct tngnccannn 300  
 atgggctccc nanaatangn nttnnnnnngn nnatncannc ncngncaann ggntcnnct 360  
 nnnnnngccc tnttncctna tggnnngctn catgnccecat nnnnnngggn ancaataann 420  
 naaanggtct ntcccnega nccccnnnnn ccnctaacan ngnacctcgc aaagggcccc 480  
 aggcnttnc tngnaaacca nnttngccaa nggtanttca aaggnggcct tngggacctc 540  
 ccnannnnngc cntggnnnta ccccggnnaa anggtngnaa acccnnccnn ngntgccnnn 600  
 cccggnccng gaaanaaatt tccnnggnac ccagnntncc nccgnaannn anantannnc 660  
 ccancncaa cnttngccc ncancnttn gnnntgna ncnncnncc cttttnnnntn 720  
 nccaannccg ccnggnnacn nctttnacc tnttncn nannngacnc caantcctn 780  
 nannaaagg nggnnnnnnn nnncttncc nnggnagcc cnnnnncct nncntnnncn 840  
 aaaaattcnn cnntgnancn cccctnnnt nangngncc natnnnnnnn nnnngnaanc 900  
 nnacc 906

<210> 459  
 <211> 765  
 <212> DNA  
 <213> Homo sapiens

<400> 459  
 gnngnnnnng nttcctaang ctggggnccg ntctnnnnnn nnnnnnnngt tcctaaanac 60  
 ctaggngctc gntctngctc cagcagncn gggcgtgggc gaattcggca cgagcttctg 120  
 ttgattggtt tgtttaaagt acctaatgac tacccttga ctccctacca aaagttcttt 180  
 tgttttttaa acaactttta tttgtgactt actttcttga gaagngttct taatgaattg 240  
 cataaaatag tggtagcagc ttatttctta agtncttnat tattgggggt ttaccattca 300  
 ggtcttatct ttaaccctta tttactcagt tttccatctg aatgatacta tctctaaatn 360  
 aaggatttaa taaatgctgc aaattgtcca ctttgcaa atgtccaaaag ctttagtttt 420  
 ggaccttgng aacttttttt ttaataacac attatttggg cccggtcgtg gtggctcaag 480  
 cctgtaatcg cagcactttg gaatgcctag gcagacagat cacttaangc ctggagttcg 540  
 agaccagcct ggccaatgtg gtgaagacct ccggttctat tactaaaaat nctaaaaaat 600  
 tancaaggca tggnggtgca cgcctgnaat ctgagctact tgagangcaa atcnggagaa 660  
 atgcttgacc ngggangcan anatgancn anattgcacc actgcattcc acctggggan 720  
 nanantgaga anctggctca aaacccaaaa acccaaaaaa aaaaan 765

<210> 460  
 <211> 677  
 <212> DNA  
 <213> Homo sapiens

<400> 460

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cctgaaacct	ggctgatggg	agaggtctca	ttttgtgtct	gagaatgtcc	aggttgctctg	120
cagaccacag	cactgatttc	ccattagcag	ttattatttc	ctggccattt	cttctctgaag	180
gttttggtgt	taaactccct	gtcctcaata	ttttatcagc	agtagggctg	tcattcttct	240
ggttatcaac	ctctacatta	tgaagtaagg	ttcaaccctt	ctgcttttct	caggcccca	300
aaacggttcc	tatccaatcg	aacacaaaaa	cgggtattga	gaaggaattg	gcagggtcga	360
gtggctgttt	ccgttgctcc	tacctcatgg	agactcttac	tcattgctga	tttattgaga	420
gaacttctaa	ctgaccactc	acccccaccc	actcttatgc	agtctgttca	ttctgaaaa	480
caccactttc	atccctcctg	cacacaaccc	atgagggatt	gctacttctc	ataagattcc	540
tcagtgagcc	ttatagagtt	gctgcgagaa	ttacatttgg	tcattgatgtc	aagtgtctgg	600
tatgtagctn	atgcttattg	aacacatagt	aatttattgg	aataattgnc	atgatcactg	660
gatgagaata	tagccn					677

<210> 461  
 <211> 787  
 <212> DNA  
 <213> Homo sapiens

<400> 461

gnnnnnnnag	ggnnnngngg	ggcctcncaa	agcccngncn	acaggtcccc	gttccaaagc	60
ntggnganc	gcnnccccc	ancagnaagg	cgggggaang	cggcacgagg	acatcatcnn	120
cttattctag	taagagaaag	tacacagatt	caactttaga	gaggacnggg	gggnnnncng	180
gagcnaaatc	aaggaaggan	tatcacngng	ccncccnnga	atataannnn	gaagctgnga	240
acagnaccat	cagnaacann	nnatggacag	ctctgatggg	gnnnatacca	cggcactctn	300
cnnaccnnng	gnggaagcna	tccggagnna	tgactgangn	gnaaagnngn	nnactggnag	360
aanccngngg	ngctaggann	ctgggagagn	cactttcang	aagnnaccng	gcgangagnc	420
atcanaagaa	cccgganaag	ngagaagacn	ggaaaaagnn	cncancgnac	ngagcccagn	480
nannnncnct	gagccanggg	ctnccgaaang	ccccaccnga	agcnccatca	canggnacaa	540
ggnnngggaa	aaggaancna	cnnngcngac	angnccnccn	aanagngccca	aancacngcn	600
nngcccnenc	gcccagaaga	nacnggacng	cnggcncnna	ncanaaggag	cncnanggcc	660
cnnngnaang	aaactncnag	nagcccaanc	ccaaaggccc	cnangganng	ccnncaaggg	720
gaaaacanna	nncacccaag	gggcctgggc	naanaaggcn	ncccacncng	gcccncnnc	780
nnnaccg						787

<210> 462  
 <211> 747  
 <212> DNA  
 <213> Homo sapiens

<400> 462

ctaattggctt	ggnnnnnnng	nnnnccgntt	cttaattgnc	ttgggcnnct	cgtctctntct	60
ccannnagnn	nntgcgttng	cgaattcggc	acgagcctca	gccccacacc	agctctattt	120
caggggtgag	agtcagagag	cactgcaata	tgtgcttcac	gggatttcga	ttcgaagatc	180
ctagaccagg	gagacactgt	gagccaggga	tacaacaaaa	tactaggtaa	gtcactgcag	240
accgacctcc	ctgcagtttg	ggaaagaagc	tggtttgtgt	gagaatcaga	gcattcttgac	300
atgactgctg	acctaagat	ccctggcatt	ggccagggat	cctgtggaac	ctcttctagt	360
tcaggggtgt	gagcattaga	ctgccagttg	tctagtgcac	tctgatgctt	gctgtgaact	420
tttaagatcc	ccgaatcctg	agcacctcaa	tctttaattg	ccctgtattc	cgaagggtaa	480
tataatttat	ctggatggaa	attttaaaga	tgaatcccc	ttttttcttt	tctnctctct	540
tttctttctt	tctcccttct	ttctttgect	tctaaatata	ctgaaatgat	ttanatatgt	600

gtcaccaatt	aatgatcttt	tattcaatct	aagaaatggn	ttaaagttttt	ctcttttagct	660
ctatggcatt	tcaactcaagt	gggacagggg	aaaaagtaan	tgccatnggc	tccaaagaat	720
tnntttatgt	tttagctatt	taaaaaa				747

<210> 463  
 <211> 750  
 <212> DNA  
 <213> Homo sapiens

<400> 463						
tnccctttcta	angcnntng	nnaanngtcn	ccgttctaan	tncttgggca	gnncgctctn	60
tctncannca	gncnntgcgt	tgcgaaattcg	gcacgaggcg	agatgaagct	acactgtgag	120
gtggaggtga	tcagccggca	cttgcccggc	ttggggctta	agaaccgggg	caagggcgtc	180
cgagccgtgt	tgagcctctg	tcagcagact	tccaggagtc	agccgccggt	ccgagccctc	240
ctgctcatct	ccaccctgaa	ggacaagcgc	gggacccgct	atgagctaag	ggagaacatt	300
gagcaattct	tcaccaaatt	tgtagatgag	gggaaagcca	ctgttcgggt	aaaggagcct	360
cctgtggata	tctgtctaag	taaggattcc	atatggctct	catatcattc	cattccatct	420
ctgccaagat	ttggataccg	caaaaatttg	tgtnngnga	agattctgnc	tgaactcttt	480
cattcaagga	actactacca	tgaatctgca	ttctgntgcc	cacactgagg	ncttagtaga	540
taattgggtg	gtctgaaaca	cctattatct	cttatntctg	gtctctangc	tggnatgtta	600
attcctctga	aatgntaaaa	gtaatgggtg	anaccngaaa	aagaaatttc	aatnacagat	660
caanntgggg	ngcatgtatn	attttcaagc	gtcaaatggt	aataagggaa	gantnctgga	720
tacctgcttg	gaaaaggaag	natgtgtatn				750

<210> 464  
 <211> 748  
 <212> DNA  
 <213> Homo sapiens

<400> 464						
gnngtgtctt	tgnaaagcct	ttggggaann	gncnccttct	aatgcttggc	tatcgnctctt	60
tacgcagnnc	ccatcgattc	gaattcggca	cgaggccggc	cggcgacgct	ggcgacgctt	120
tcgcccctga	ggtagtttgg	cgaccgcgaa	gaaggaaaaa	gggcggggcg	gcggctgtcc	180
tctcaccgtc	ctcaccgccg	gaggcccggc	ccgctcctcc	gtcgtggatt	tcgcggggat	240
ccccccggca	gctctttgca	aagctgcttg	aaacttctcc	caaactcggc	atggatacga	300
ctggggcggc	ggcgctgcct	gcttttgtgg	cgctcttget	cctctctcct	tggcctctcc	360
tgggatcggc	ccaaggccag	ttctccgcag	gttgngtget	tctttcgttc	tctcctctgg	420
gggctctgaa	gtttcaccag	gtggacgctg	gggagcgggc	tcccagacac	ttgtctacct	480
nccgccagtc	ctgacaactt	ttctggccaa	cctaccagc	ttcgcttggc	tggcgagcgc	540
atctgctgct	ggggttcgcg	gtgcaaatgg	agacgcagtg	gtggccagag	ggtgatggag	600
aagacgggaa	aagcgacagc	cacgctnctg	gcttgaagcc	gcaggacgca	aataacttac	660
tttggacctg	acagttctac	gttgntgtgg	angccctgtt	tcctggaaat	aaaactcaaa	720
atggtggttt	tttggaaaaa	aaaaaaat				748

<210> 465  
 <211> 863  
 <212> DNA  
 <213> Homo sapiens

<400> 465						
gggnnnnnnn	aanggnnnnn	ggnnnnnngtc	ccgttccaan	gaccnngaga	tcgnngncgc	60

tccanaagaa	aggcgggtgng	aattcggcac	gagacctgta	ccgcctggcc	actggctgtc	120
accggcgtga	tgagctgccg	gtgtttgaac	gcngcctatg	cngggacttt	cccggcanan	180
nggcnngaan	atggccncca	tncaggaagc	cgcccagaac	ctcctngggn	acacnacttn	240
agngccttcn	agtccgntgg	nacccggncc	aagccccggc	aancnctgcc	ccgggtcncc	300
gttcccaagg	ccaaccagcc	ctgggnaccc	ccggggagcc	gaaacnctgg	ggctnggana	360
ccngantga	gagncnact	tttcnntgta	nacacgggcc	cagganacan	ctntgctcgt	420
ggccccgggg	naaannnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	ncc				863

<210> 466  
 <211> 713  
 <212> DNA  
 <213> Homo sapiens

ngtctttcga	gcntggngnt	cgttctngct	cnannanatt	ggttgnggga	attcggcacg	60
agcctcagcc	ccacaccagc	tctatttcag	gggtgagagt	cagagagcac	tgcaatatgt	120
gcntcatggg	atttcgattc	gaagatccta	gaccagggag	acactgtgag	ccagggatac	180
aacaaaatac	taggtaagtc	actgcagacc	gacctccctg	cagtttgagg	aagaagctgg	240
gtttgtggag	aatcagagca	tcttgacatg	actgctgacc	taaagatccc	tggcattggc	300
cagggatcct	gtggaacctc	ttctagttca	ggggtgtgag	cattagactg	ccagttgtct	360
agtgacatct	gatgcttgct	gtgaactttt	aagatccccg	aatcctgagc	acctcaatct	420
ttaattgccc	tgtattccga	agggtaatat	aatttatctg	gatggaaatt	ttaaagatga	480
atcccccttt	tttcttttct	tctctctttt	ctttccttct	ccctttcttc	tttgcttctt	540
aaatatactg	aaatgattta	gatatgtgtc	aacaattaat	gatcttttat	caatctaaga	600
aaatggttta	attttttctc	tttactctat	ggcanttcac	tcaantggac	aggggaaaaa	660
agtaattgcc	atgggcttcc	aaaagaattg	ntttatgntt	tagctatttn	aaa	713

<210> 467  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

gnnnggtntt	ctaactnctg	nnnnnnnnntc	ncccttctaa	gccttggntc	cgntctnnccn	60
acnancnggc	ttncgaattc	ggcacgaggc	gagatgaact	acactgtgag	gtggagggtga	120
tcagccggca	cttgcccgcc	ttggggctta	ngaaccgggg	caagggcgtc	cgagccgtgt	180
tgagcctctg	tcagcagact	tccaggagtc	agccgccggt	ccgagccttc	ctgctcatct	240
ccaccctgaa	ggacaagcgc	gggacccgct	atgagctaag	ggagaacatt	gagcaattct	300
tcaccaaaatt	tgtagatgag	gggaaagcca	ctgttcgggt	aaaggagcct	cctgtggata	360
tctgtctaag	taaggattcc	atatggctct	catatcattc	cattccatct	ctgccaagat	420
ttggataccg	caaaaatttg	tgtttgtgga	agattctgtc	tgaactcttt	cattcaagga	480
actactacca	tgaatctgca	ttctgntgcc	cacactgtgg	tcttagtaga	taatttgggt	540
ggtctgaagc	acctattatc	tcttatttct	ggtctctagg	ctggtatggt	aatcctctga	600
tatgttaaaa	gtaatgggtg	agaccngaaa	aagaaatttc	aatacngatc	aantttgggg	660

tgcatgttga atttgaacc tcaaattgga gtaagggaan attctggata cttgctggaa	720
aggaggaatg tn	732

<210> 468  
 <211> 748  
 <212> DNA  
 <213> Homo sapiens

<400> 468	
gnnagnnttc taatngcttg tnnnnnnnna gacgtttetaa nncctttggcn atcgttnttt	60
ctncagnann ccntcgattc gaattcggca cgaggccggc cggcgacgct ggcgacgctt	120
tcgcccctga ggtagtgttg cgaccgcgaa gaaggaaaaa gggcgggagg ggcgctgtcc	180
tctcaccgtc ctcaccccg caggcccggc ccgctcctnc gtcgtggatt tcgcggcgat	240
ccccccggca gctctttgca aagctgcttg aaacttctcc caaactcggc atggatacga	300
ctgcggcggc ggcgctgcct gcttttgttg cgtctctgct cctctctcct tggcctctcc	360
tgggatcggc ccaaggccag ttctccgcag gttggttgct tctttcgttc tctcctctgg	420
gggctctgaa gtttcaccag gtggacgctg gggagcgggc tcccagacac ttgtctacct	480
tccgccagtc ctgacaactt ttctggccaa cctaccagc ttcgcttggc tggcgagcgc	540
atctgctgct ggggttcgag gtgcagatgg agacgcantg gtggccagag ggtgatggag	600
aagacgggaa aaagcgacag ccaagctcct ggctgaaacc gcaaggacgc aaaataaact	660
actttgnacc tgacagtttc tnaagtttgt tgtggangcc ctgtttcctg ggaaataaac	720
tcaaattggt ggtttcttgg aaaaaaaa	748

<210> 469  
 <211> 776  
 <212> DNA  
 <213> Homo sapiens

<400> 469	
ggngntcta atgcttgann tgattctccg tctataacng gntaatnctt ggnccctacna	60
aaaggctang ngaattcggc acgagacctg taccgcctgg cactggctg tcaccggcgt	120
gatgagctgc cgggtgtttga acgcaacctt tgctggactc tcccggcaga ctgcctggat	180
atggtcgcca tgcaggaagc cggccagcac ctctcggca cacacgactt cagcgccttc	240
cantccgctg gcagcccggg gccgagcccc gtgcgaacgc tgcgcccggg ctccgtttcc	300
ccaggccaag ccagcccctt ggtcaccccc gaggagagca ggaagctgcg gttctggaac	360
ctggagtttg agagccagtc tttcctgtat agacaggtac ngaggatgac ngctgtgctg	420
gtggcctggg ggtttnaann tnannnnnnn nnnccnnnac caantctnnc nannannnnn	480
ccnaccnnta aaantnnenn ncnnnnnncan nnnnnnnnc cnnnnanncc nnnncttann	540
naancnnnnn nnnnnnnanc nnnncanena nnnnnnnna nnnnnnnncn nnnnnnnncn	600
nnnnnnnnnn nannccnnnn nnnnantnnn nnannnnnnn nnnnnnnnnn aaannnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncncnnnnn nnnnnnnncn nnnnnnnnnn	720
ccnnnnnnnn nnnnnccnnn nnnnnntnnn nnnnnnnntn nnnnnnnnnn nnnnnnc	776

<210> 470  
 <211> 765  
 <212> DNA  
 <213> Homo sapiens

<400> 470	
tatgnntttt ctaaaatnnc tgggcaanac gtectenctt tctaanaagn ttnggcanaa	60
cccttggaac nacgccngtn acccanacnc agnnnggccg tggcgggcga gcgggcaaca	120

gctcttgagg	agtgagactg	cnggagatnt	gggccgtgcc	aaagagatgg	atgagactgg	180
tgctgagttc	atcaagagga	ccatcttgaa	aatcccatg	aatgaactga	caacaatcct	240
gaaggcctgg	gattttttgt	ctgaaaatca	actgcagact	gtaaatttcc	gacagagaaa	300
ggaatctgta	gttcagcact	tgatccatct	gtgtgaggaa	aagcgtgcaa	gtatcagtga	360
tgctgccctg	ttagacatca	tttatatgca	atttcatcag	caccagaaaag	tttgggatgt	420
ttntcagatg	agtaaaggac	caggtgaaga	tgttgacctt	tttgatatga	aacantttaa	480
aaattcgttc	aagaaaattc	ttcanagagc	attaaaaaat	gtgacagtca	gcttcagaga	540
aactgangag	aatgcannct	ggattccaat	tgcccgggga	acacagtaca	caaagcccaa	600
ccagtcaaac	ctacctacgn	gggggactac	tccagactcc	cgnacncctt	cacgtcctcc	660
tccatgctga	ggcgcaatca	cgccttctg	gncaagaagt	tanaaacnct	gggaaaaact	720
acctncgaca	agaaggggan	catttanatt	taccnnaaat	gaana		765

<210> 471  
 <211> 820  
 <212> DNA  
 <213> Homo sapiens

<400> 471						
cnnnnngggg	nnngngggcg	cntccnaaan	ccggggcgac	agngccnnng	ttccaacaga	60
ccngngnggc	cgncngngcc	ccanacagca	ngggnggggc	nnngggggnn	cnnegncnnn	120
cnnancnaca	aagaactcaa	caagaaaaaa	acnaacccca	caagcgggca	aaggacngga	180
acagacantn	cccaaaagaa	gacatacaag	caaccnaaaa	taatcnaaaa	taagnnncaa	240
aaagaaaaaa	ngcnagacag	agnngngana	gnactnagna	aaaagngana	tctagcggcn	300
annagnangn	nnngnnnacg	ncngnnncna	agaaanagnc	nctggnnccc	aagcnggagn	360
acagcggcgc	aagcnnngcn	cactgcaacc	gcgaacnccc	gggctcaagc	gaaccnccag	420
cctcagcctc	ccaagnagcn	gnnaaaggca	ngcaccacca	cacccgacna	aaatanengc	480
nancaanaac	ananaanggc	nccccngngc	nnanncagga	aanaaacacn	cnnangcnnc	540
ngaaaaanaa	naancncncn	cnnnacaaaa	aaacnnnagc	cnnagaacaa	nnnnggaggc	600
ggaanacggn	nnancccgac	anganaanga	nacnanngan	gganganngg	gaccaaaccn	660
cancccgga	anggcnnngn	aaaaaaaang	ccnnnaaann	gggggaaaaa	ncggngnang	720
ccnaaagggc	cnnaaanggg	gaaacccnan	naaaangccg	ggcanannan	aaccnagcnn	780
nancnanccn	nccaangggg	nannnccncn	nncnaggccg			820

<210> 472  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

<400> 472						
gnngtgtctc	taatgcttgg	ctactngttc	tttccgcgca	acncttgcta	atgcttggcn	60
ntcgttcttt	ctccacnnac	nnngcnntnc	gaattcggca	cgaggtcaca	ganatnaaag	120
tccaatcata	ggggctggnc	cnacntctnt	gctnttccct	gcangantca	tangatcagn	180
nanaccgtgc	gnntttgnaa	gcntttcaaa	tgtgntacca	tcnggttact	tncnnnggca	240
cctgntgann	tngggtgnac	tnnncnggat	ntccaaanc	caccnnnncn	atgggntnng	300
tgngcatgng	ntggnnccann	nacagannna	ganactttaa	ngaannngnt	tntgcaaccn	360
tnggnnctag	caancntgan	antnccaggg	ngggccacna	agctgaaaat	nnatgttana	420
ncnnatgntg	naatctctag	natgacttcc	ncannnancn	aaactnangc	anggctgena	480
tgtagaanc	tanaggccna	atttcttntc	natgnaacca	ntntatgctt	ttaagacnt	540
caactgtunc	natgaagccc	atntacatna	ttncggtaat	anggctatnc	ttaaannnaa	600
ctgctgaaaa	tntatgatna	nctacgaaat	cctnnancnc	ncatntggct	naatcattac	660
caaccatttg	acaccnncat	ngnctaccca	cntgcattnc	catgaccnan	tccantgcca	720

cccgencaga tntacctt

738

<210> 473

<211> 752

<212> DNA

<213> Homo sapiens

<400> 473

tatgnntncc	taanagagtt	ntgnnacacg	gcccgccttc	tnaaancttc	ctaatncttg	60
ggcgctcggt	ctntctncac	ncagnnnntg	cggtnCGaat	tcggcacgag	gtccttttga	120
accaccccaa	agaactcaac	atggcaaagc	aaatggtaaa	agcttcccga	ctgttctact	180
ttgggtccgc	gcgaagccca	ctcacgtgtg	atctgtgttg	cccctgggag	gcccggggcg	240
accgaaaaag	ggctctctca	agttctgaaa	agagaatctg	ccaccagatc	gaatttcgac	300
ccctgagctt	gttcggacgt	atgggtccaa	ttcagattaa	ggtggtcacc	caacccgaga	360
tgtcaggaaa	ggccttctgc	agagaaaatg	tccccccacc	cgccatctgc	agccagggtg	420
gtgccacacg	gcagccttcc	cgaaacatag	tatggatttt	aaaaatgtgt	ntatttttgg	480
ttctcaacca	ctttataacg	tattttttta	tttattttgt	aatgtcttgt	tttgaagtat	540
tgetgetatc	cttgggtatc	ttcccactgg	ttttatcact	ganttatatt	gngaaagtgt	600
ncactaatgt	tctatgtcaa	aatcaaaagt	atttaaatgaa	atactanntc	tatttaaatgt	660
ggntatggaa	ccagctggaa	acacaaaaca	aacagtgatt	gacancaagc	tgggcccaag	720
agncagggtc	ttttgnacat	atgccaataa	ac			752

<210> 474

<211> 752

<212> DNA

<213> Homo sapiens

<400> 474

ttgcanacnn	aatanttgt	gtaaaagtcc	cnnctttttn	ccctttctaa	tgnttgngcg	60
ctcgntctnt	ctccacnagn	nnntgcgttn	cgaattcggg	tctnagccca	tgccgggatc	120
ttcccacacc	cgctctcaca	gatccagccc	cagcccctgt	cttcccaggc	catctctcag	180
cagcacctgc	aggatgcggg	cacccgggag	tggagccctc	agaacgcac	catgtcggag	240
tctctctcca	tcccagcttc	cctgaacgac	gcggcttttg	ctcagatgaa	cagtgaagg	300
cagctcctga	ctgaaaaggc	cctgatggag	cttgggggtg	ggaagccgct	tccgcacccc	360
cgggcgtggt	tcgtctcctt	ggatggcagg	tccaacgctc	acgttagaca	ttcatacatt	420
gatctccaaa	gagctggaag	gaacggaagt	aatgatgcc	gtttggactc	tggcgtagat	480
atgaatgaac	caaaatcanc	cgggaaggga	angggagatg	ctttgtctct	gcagcagaac	540
taccgnccg	tccaagagca	ccancagaaa	gancctcanc	cccagacagc	acggnctaca	600
cgcantcgt	gnacctggat	gacntggaac	anaatggtan	cnaatgtggg	accacngnct	660
tgtanccna	ggacaaggcc	ctncnangct	tgntggangg	gtcnantcng	anaaatggng	720
gccactgccc	aaccgcgag	aaganaacaa	nn			752

<210> 475

<211> 742

<212> DNA

<213> Homo sapiens

<400> 475

gntttctntt	aatncttttn	naaangcggn	ntttacctt	ctangnntgn	gnctcgttct	60
ttcccacnna	nnnnncggtn	cgaattcggc	ncgaggtgaa	acagaaagtg	gagatgcttt	120
ccttgacctg	aagaagcctc	ctgcctccaa	atgcccccat	cgctatacaa	aagaagaact	180



cttgatata	aaagaactcc	cccattccaa	acagagcctt	catgcctttc	tgaaaaatat	240
gacagtgatg	gtgtctggga	ccctgagaag	tggcatgcct	ctctctaccc	agcttcaggg	300
cggagctcac	cagtggaaag	tctgaagaaa	gagttggata	cagaccggcc	ttccctgggtg	360
cgcaggatag	tagatccacg	agagcgtgtg	aaagaagatg	acttanatgt	tgttctcagc	420
cctcagagac	ngagctttgg	agggggctgc	cacgtgacag	ccgctgtcag	ctcccggcgc	480
tcangaagtc	cattagagaa	agatagtgat	gggcttcgtc	tgcttgggtg	acgtaggatt	540
ggcagtggga	ggataatctc	tgcccggacc	tttgagaagg	atcacgcgtt	aacgataagg	600
acctgcggga	cttgagagac	agagaccnan	anaaggactt	caaggacaac	gtttcangan	660
anaanttttg	gagaaagtaa	ncntgtcttt	tggtgancgt	anaanaaat	gattcttacn	720
cnnaanaaga	accggaatgg	tt				742

<210> 476  
 <211> 1122  
 <212> DNA  
 <213> Homo sapiens

<400> 476						
gnnngggnnn	ttctaaaagc	tgggnnnnnn	nnngaggnc	ttctaattct	tctaattggtt	60
ggctctcggt	ctttctncac	gcagcnnngc	gnnncgaatt	cggcacgagc	ctgcagccac	120
taatgcattg	tgtatgataa	caaaaactct	ggtatgacac	attttctgng	atcattgnta	180
attagtgaca	tagtaacatc	tgtagcagct	ggtagtaaa	cctcatgtgg	gggtgggggtg	240
ggggtgtatn	cctngnggga	nggnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1020
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<210> 477  
 <211> 747  
 <212> DNA  
 <213> Homo sapiens

<400> 477						
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atctctttta	gggtcactt	aaatacatgt	ntgngnntac	tgggggctag	ccngaataat	180
tttagatctg	atcaggtngn	ngctnaaatt	ngaaaaanac	cnnntngatg	cttaaagaat	240
tngcntccat	ttttgagtct	aaatctttta	aaatntactg	ngatccacat	ctagnгааат	300
gtcngtgtca	anatattctn	gatnatcgct	naaatccnca	ttaataactn	ttnggggttn	360
nnnatagngg	aacttcntag	nnntncnaaa	agcacatngn	cttctgntct	ccgctgctcc	420
cacagnnggt	nttgnaactg	ggnaaatcag	nnnnnngata	gcgngngnnt	ntnaganaaa	480

ntngatncac	acatncttnn	nnctcagnen	ncacatngat	tgaacactct	ggccaagatg	540
ctgnggngga	tgangttgga	gttcgannga	agaagcngc	gctggcctgg	cttgnaagac	600
ccnngncttt	cccntnccct	cncnngaaag	ctgcccngac	ngagggcnaa	ngnaaatggn	660
tganngnnen	gtcnngccn	cttcngnenc	ttngaaccnn	nnagnggnnc	tnnnngnacc	720
cnngnnntn	cgngnaaccg	nncnngc				747

<210> 478  
 <211> 746  
 <212> DNA  
 <213> Homo sapiens

<400> 478						
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nacnnttgc	gnttcgcaag	gagnagagt	atagnaattg	gcagtgaat	atacgaacca	120
ccctcctgcc	ctctgggttc	acaatacgtg	tacacttgac	tgtgaagtgg	ctgtgagagt	180
gggtggagag	ttcttctttg	accctcagcc	tgcggtatgcc	tctagaaacc	tcgtgttgat	240
tgaggaggga	gtcggaatta	accctctgct	ttccatcctg	cggcacgcag	cagatctcct	300
cagagagcag	gcaaacaaaa	gaaatggata	tgagatagga	acaataaaac	tattctacag	360
tgcaaaaaat	accagcgaac	tcctgtttta	gaaaaatc	cttgatttag	taaatgaatt	420
tcctgagaag	attgcatgca	gtttgcatgt	tacaaaacag	actacacaaa	tcaatgcgga	480
actcaagcca	tacatcacgg	aaggaagaat	aacggagaag	gagataagag	atcatatttc	540
aaaagagact	ttgttctata	tttgtggccc	acctccaatg	acagactttt	tctccaagca	600
actggaaaac	aaccatgtac	ccaaagaaca	catttgcttt	gagaagtggg	ggtaggaggg	660
aagaccaaag	gcaggaaaaa	attaangagg	tgagatctac	tcaaggagag	ctcaaaaaaa	720
aaaaaaaaaa	actngggccc	tttaga				746

<210> 479  
 <211> 750  
 <212> DNA  
 <213> Homo sapiens

<400> 479						
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gttccacgta	gcaacacctg	ctgagttctc	tgggttttct	tcttgctcca	tgtagcccag	180
acttgagct	gaagaagctg	gaaacatgga	aacaccaaca	gctacagacc	aaaaaaagtc	240
ccaacaaaag	cctgtcagtc	tgccagcctg	ttctgtggat	ttccaactca	agattgcagc	300
atcaactcac	acctgaagtt	ctggcttccc	tacaaacttt	gaacttgcca	gtccccacaa	360
tggcataagc	caattcctta	aaatgaatgt	ctagttctag	ataatgtgtg	tattctactg	420
gttctgtttc	tctggagaag	cctactaata	gatcatttgt	cttagtcaat	tcaagctact	480
ggtacagatt	accatagact	gggtggttaa	aactaccaat	cttattactc	acagtttttg	540
gagtctggaa	agtctgagat	cagggttcca	gcaggattga	gttctttggg	gaacatnctc	600
tttctggntc	acagaatact	gggttacttt	aagtnggaaa	aagtaggggtg	aagctgggtc	660
ntttggcctc	ttcttttaag	ggggactaat	tcatgaaggg	ttccaccctt	attgacctat	720
tttaccttnc	caaanggnnt	ccattttccn				750

<210> 480  
 <211> 714  
 <212> DNA  
 <213> Homo sapiens

<400> 480

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acagtgcctt	gcataagggt	tagtgagaat	aaaaaggatc	ttaccacctt	tatcatgagg	240
gtggctttgc	tctctccatt	ccaagttggt	ctctgttcta	gaaagcagat	gtagtagaca	300
tctactgttt	ttgcctaaac	agaatccctt	tttctttttt	ttgttaaaag	tactcatccc	360
taatattaca	ttgttctgga	aggactgaaa	ataacagAAC	tcagcaccat	gatcggaccg	420
ggacaatcag	attatttcat	tcctcancaa	acggagatcg	atccgaaaag	tggaaatatg	480
agctcttctt	tgggtgtggc	atatggaccc	tgagagaaag	aactttaatt	ttttctcttg	540
gactgcaata	aagtatatgt	gcctaaaata	cgtttctctg	ccttggaagt	ttgnccacaa	600
tcggtgaaat	aaangcaaga	cgtacacttg	gatgaaaaaa	aaannnnnnn	naaaaaaac	660
tcgaccttta	nactatnnga	gtcgatacnt	aatcngactg	atagatcatt	gnta	714

<210> 481  
 <211> 742  
 <212> DNA  
 <213> Homo sapiens

<400> 481

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ggaagcggaa	gcggtagccc	ggacggtgct	gtgggtcaag	ggcttgtgga	aaaattggag	180
aaaaccaagt	ccctggccca	gcagttgaca	agggaggcca	ctcaagcgga	aattgaagca	240
gataggtctt	atcagcacag	tctccgcctc	ctggattcag	tgtctcggct	tcagggagtc	300
agtgatcagt	cctttcaggt	ggaagaagca	aagaggatca	aacaaaaagc	ggattcactc	360
tcaagcctgg	taaccaggca	tatggatgag	ttcaagcgta	cacagaagaa	tctgggaaac	420
tggaaagaag	aagcacagca	gctcttacag	aatggaaaaa	gtgggagaga	gaaatcagat	480
cagctgcttt	cccgtagcaa	tcttgctaaa	agcagancac	aagaagcact	gagtatgggc	540
aatgccactt	tttatgaagt	tgagagcatc	cttaaaaaac	tcagagagtt	tgacctgcag	600
gtggacaaca	gaaaacagaa	ctgaagaacc	atgaagagac	tctnctacat	caccagaagg	660
ttcagancca	atgacaagac	ccancaagca	naagagccct	ggggagccct	ctgctgatcc	720
caaanggcaa	aaaatggggc	cn				742

<210> 482  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 482

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cctccactgc	acctgctgcy	gagtggcacc	tttgctgca	aggccctcta	ccccatggcc	180
cagtgtcatc	tcagcagggt	ctttggccac	tcaggaggcc	cttgtggtgg	gttgctcagt	240
ctgtccttcc	ctcatgagaa	gctactgctt	atgtccacag	accaggagga	gctgtcacgc	300
tggtagcaca	gtctgacttg	ggctatcagc	agccagaaaa	actagaggaa	tcttatagat	360
tccagaactc	aggatacctc	aggataggt	cacagccaag	agtacaaagg	aatcttcagt	420
actgaacaaa	acagaacctt	tcatgatttg	acaaagggtc	ctttctgttt	gcctggacca	480
agctactcca	gatcatctga	ccaactctta	aaaatcacgg	ccaggcacag	tggctcatgc	540
ctgtaatccc	agcacttttg	gaagcaaang	tggcaggatc	attccagccc	aggagtttca	600
agancagcct	ggcaacacag	tgagttagac	cctgtctcta	tttaagaaaa	aaattattaa	660

gaaatthttat	taaaaaaagga	agaatcagga	aaccaaagtc	aaccccaact	taaccctcaa	720
tgaaccagcc	ctaacacaga	tgangggatt	tg			752

<210> 483  
 <211> 849  
 <212> DNA  
 <213> Homo sapiens

<400> 483						
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tttggaacgn	cgactnctnn	atatatcnng	gatataatag	gtgataagtt	ctgncaatta	120
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aagagcagng	gagaggagtc	cgggagatgn	gngatgcac	gggacgcanc	atngntnaac	240
attcactggg	tctgccaaaa	atgtggattt	gngggctgct	tagatngtta	caaggcaaaa	300
ggaaaggaaa	gagttctaga	gataaaagaa	ctatatgctt	ggatgaagtg	tgtgaaggga	360
cagcctcatg	atcaccaaca	tttaatgccc	aacccaaaat	tataccnggt	tctgntttga	420
cagacttcta	gatgccatgc	acactcttag	ggaaaaaata	ttgggattaa	ancccatngg	480
cattggacta	acaaacagga	atttacaagg	tnggaaantt	ttncnaccaa	tgaaaggggg	540
gatcncaagg	ttttccagaa	nggntcntaa	tncnaggnaa	taaaaattnc	ctcngggcaa	600
gccctgagtc	ttaancagca	aaaanactcc	tcccgaancc	tgnaaaaaaa	agggggggca	660
gccaggcccn	naaanggaan	gtnaggcccn	agatnaacaa	ngtnacctcc	nccagnaaa	720
ccccannccc	caactggnac	cngggnaacc	cacaacnttt	gcngaagncc	aaaaaagncc	780
nnnagangga	aaaaaaaaaa	naananaaaa	aacctnnnag	cccctaagaa	accttagggg	840
nggcccncc						849

<210> 484  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens

<400> 484						
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cgggccncca	ggncgggna	aaggccccc	ttgggcggcc	cccggncggc	cccaatgggt	180
tccaaaaagg	gaaaaaaaaa	aaagggggaa	cctgggaagt	tggcccanga	aaangnaaaa	240
aaaggnaagn	aaaccttccg	ccaatgggaa	tggggaaaaa	taattttttc	ttgaaaaacc	300
caaaaaagga	atgggttattt	ttcaaattta	aaaaaggaac	nttgggaaga	aagaattggc	360
ttcccacncg	cagaaagggc	attactggct	atgtcaagta	aaagaagtcc	ttcaaagctt	420
agttgatgat	ggtatggttg	actgtgagag	gatcggaact	tctaattatt	attgggcttt	480
tccaagtaaa	gctcttcatg	caagggaaac	ataagttgga	ggttctggaa	tctcaagttg	540
tctgagggaa	gtcaaaagca	tgcaagccta	cagaaaagca	tttgagaaag	ctaaaattgg	600
cagatgttga	aacggaagag	cgaaccaagg	ctntgcaaaa	agagcttttc	tttcaactttc	660
gagaccaaag	gggaaccagc	tnnaagggcn	agaaaagttn	gaaaaaaaatt	ccaaaggaac	720
tggttggaatc	ccccaaaagg	tttggttggg	gaaagaaaaa	ttcccggccc	aangccaaaa	780
tttaaaaggt	ttngccccca	aagggaaaag	ncttgncttt	taaccagga	attggggacc	840
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naaaanggna	aaaaaatttt	nggggggttt	tgnaaaggna	aaaatttnaa	atttggattt	960
ngaaactttt	ttngggaatt	ccccagaaag	aacttttgac	cttcctntng	acctnaaaaa	1020
ttttcccttg	ggggggtgna	anggatgttc	ccaagctttg	tggnatattg	gtaaaaattt	1080
naaccttttn	tncttacc					1098

<210> 485  
 <211> 798  
 <212> DNA  
 <213> Homo sapiens

<400> 485

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aagctcccca	caggcagagc	tgcttggatg	tgtgagtcac	gaaccagaga	agccccgctc	180
catgagcagt	gactccccc	gccctgtgac	ctccctcctn	cttgagctc	ctcctggcac	240
cagtccccc	ggctctcctg	ttggtagttc	ctgcttttct	tcttggaat	tcctcgtgga	300
cctcgagatc	tttaccctaa	aatagttctg	ttgaatttca	ccctggcaat	gtaaattgat	360
agcttatctt	cacagatgcc	agacaatgga	caactcacca	tcagtcctct	gtcacctga	420
gacaaatgca	tgtctgattg	cttctctctg	cctattgntt	atgtgaaaat	gcagattcac	480
tgagccagac	taaggcatca	gtgactgttc	ctctacctgc	ctctcacatg	gagatttgtg	540
attcagtga	aggctgatca	aagacccaaa	ggaatgcaac	agtttatctc	ttatctacct	600
atgacctgcg	aactggccaa	caaccagtt	gttgnccgct	tttcagacag	aaccagtgtc	660
atcttacacg	tattnaaatg	gatgtcctgg	ngtctnccca	atatgtattc	aaaagcaagc	720
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 <211> 785  
 <212> DNA  
 <213> Homo sapiens

<400> 486

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tagactggta	tcaagaatca	gtcagcaagg	aggccctcac	cagacgccag	tgccatgttc	240
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ccttgaacat	tcagcacaaa	gacaaaacag	accagaccag	aagagtccca	cagaataggg	480
gaaactattc	agagaaaact	taagccacta	agttttatgg	tgttttgttc	tgtagcagaa	540
gcataggcat	actgacaata	caaaccgaaa	tccttctaac	gtagtggacc	ttttcangcc	600
agcatttttt	ccttgaaaac	ctggagcatg	tatccatctt	atagcagaga	tcactttcac	660
aatggttggg	ctcttggatt	tgaattgatg	atgtaatgag	ccctctttnc	ngattgnaac	720
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taanc						785

<210> 487  
 <211> 797  
 <212> DNA  
 <213> Homo sapiens

<400> 487

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tgatntctan	tcccctgnat	tctggatgct	gcagaccaac	acctgccnac	aanacncana	180

cacacacann	caancantat	catgtaagac	agnncgntna	ntnnnnnatt	ntnatncttn	240
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gananangac	ganantctga	atcttaagca	tatgctccat	cnttnnatat	gctntggtgg	360
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nctnagtggg	ntcaagacaa	ctttgntggt	ggttttgntc	acaatcatga	aaatggttnn	540
gccagataaa	tatttttgata	ttagntttcn	tttttnatat	anngcggtag	gtttgaattg	600
nacnttnaaa	tgntntgggt	tgtnaagaca	ntggnttnca	atnnaattta	tnacatgaat	660
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<210> 488  
 <211> 762  
 <212> DNA  
 <213> Homo sapiens

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ctcagggttaa	tgctgaaaaa	tcataccaaga	cagttattgc	aagagtttaa	tttttgaaaa	120
ctggctactg	ctctgtgttt	acagacgtgt	gcagtgttag	gcatgtagct	acaggacatt	180
tntannggcc	caggatcggt	ttttccagg	gcaagcagaa	gagaaaatgt	tgtatatgtc	240
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agagtatttt	ccacaatgat	gatgatttca	gcagggatga	cgatcatcat	acattcaggg	360
ctattttttc	cccacaaacc	caagggcagg	ggccactctt	agctaaatcc	ctccccgtga	420
ctgcaataga	accctctggg	gagctcagga	aggggtgtgc	tgagttctat	aatataagct	480
gccatatatt	ttgtagacaa	gtatggctcc	tccgtatctc	cctcttccct	aggagaggag	540
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<210> 489  
 <211> 822  
 <212> DNA  
 <213> Homo sapiens

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ccatcatacc	ttctgaaaga	aaaaagcata	tcttcattga	cataacagaa	gtgagatggc	180
ccagtcttga	tacagatggg	accatcntnt	atatggagag	tggcattgtg	aagataacat	240
ctttagatgg	tcatgcatac	ctctgcctgc	ccagatctca	gcatgaattt	acagtacatt	300
ttttgtgtaa	agttagccag	aagtcagact	catctgcagt	gttgtcagaa	acaaataata	360
aagccccaaa	agataaacta	gttgaaaaaa	ctggcaaaat	ctgtatacgt	ggaaatttac	420
cangacagag	actgaagaat	aaagaaaatg	agtttcattg	ccagatcatg	aaatccaaag	480
aaacttttaa	gaagatgagt	tgtgtaaagt	gaactgaagg	gaggggaagag	ctgccttcgc	540
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anccaatatg	tctaaaaaaa	aantttnttn	ataataaacc	tngaagccct	nttanaacct	720
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822

<210> 490

<211> 789

<212> DNA

<213> Homo sapiens

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<210> 491

<211> 790

<212> DNA

<213> Homo sapiens

<400> 491

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<212> DNA

<213> Homo sapiens

<400> 492

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<211> 800

<212> DNA

<213> Homo sapiens

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<211> 757

<212> DNA

<213> Homo sapiens

<400> 494

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<210> 498

<211> 773

<212> DNA

<213> Homo sapiens

<400> 498

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<210> 499

<211> 735

<212> DNA

<213> Homo sapiens

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<211> 926

<212> DNA

<213> Homo sapiens

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<211> 706

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

<400> 505						
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gactgtgtact	ttaggaattt	taaaatgtgg	atcattgtac	tactaataac	tatttatttt	420
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ggtgtgggtg	ttttaagtgc	catttttactg	atnaagaaac	tgaggcttaa	atagttgaaa	540
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<210> 506  
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 <212> DNA  
 <213> Homo sapiens

<400> 506						
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aatttgcaat	antgtntctat	tgtntgtaat	ttcaaaattt	ataagattat	cccccgttcg	600
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cgnngntcaa	ctcgggatnc	ntcgncttaa	naaaatnttn	tccnggancc	ccntcatnan	720
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<210> 507  
 <211> 774  
 <212> DNA  
 <213> Homo sapiens

<400> 507

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atctatttgg	aaaaagagaa	aacatatgcy	ttgtattttg	cttcaattat	aaaataccat	300
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<210> 508

<211> 724

<212> DNA

<213> Homo sapiens

<400> 508

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cangcnancc	cctgtatggg	atcanaggcn	cgaagangca	ntgnangctg	ntggcanntn	540
aantactgnc	tgggctggaa	nangaactnn	taaaagtcent	ngcccnatc	caccttggn	600
cccnannttn	nnccnntant	cnnngggntn	angtggtnnn	nnctngggac	agntcnntnt	660
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<210> 509

<211> 803

<212> DNA

<213> Homo sapiens

<400> 509

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gcagtgaaaa	aaatgctttn	tttgtgaaat	tttngatgc	tnttgctttt	tttgaacca	720
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 <212> DNA  
 <213> Homo sapiens

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<210> 511  
 <211> 776  
 <212> DNA  
 <213> Homo sapiens

<400> 511						
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<210> 512  
 <211> 917  
 <212> DNA  
 <213> Homo sapiens

<400> 512

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aatgttaatg	anttgaaaa	ntatttnaaa	gcctttnaat	gnttnnnnna	atccttnggg	540
nttgccctta	naaanccaan	attntngtng	gnnggntntt	aannccnnnc	aantncnnnn	600
nnattncntt	naaaacnttt	nnnccanggn	cnnaaaaaaa	nggggnaann	aaaaaacttt	660
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nnnttaaaaa	ntttnncccc	ccaannnnnt	nnanngnanc	ttttnnantt	ngggantaaa	840
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<210> 513

<211> 780

<212> DNA

<213> Homo sapiens

<400> 513

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cacgtgctga	ngcacaccca	aggccggcgg	taccagcgag	cttttgtgta	aatatgaaga	480
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caccagaagg	accttgaaca	cngaggatgg	ggatggactg	atgatttttg	acaacaaaga	720
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<210> 514

<211> 793

<212> DNA

<213> Homo sapiens

<400> 514

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tttgggggta	caacttcatt	ctatagaata	ttaagtggga	agtgggtgaa	ttctactttt	720
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<210> 515  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<400> 515						
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<210> 516  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 517

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<210> 518

<211> 706

<212> DNA

<213> Homo sapiens

<400> 518

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<210> 519

<211> 734

<212> DNA

<213> Homo sapiens

<400> 519

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<211> 701

<212> DNA

<213> Homo sapiens

<400> 520

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gtgaaaggaa	atactagtga	atcacccaca	aggaaaagcc	actgccacag	aggaggcggg	660
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<210> 521

<211> 784

<212> DNA

<213> Homo sapiens

<400> 521

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 <212> DNA  
 <213> Homo sapiens

<400> 522						
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<210> 523  
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 <212> DNA  
 <213> Homo sapiens

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gtaaagggtca	tgaggctgaa	gacttgaaga	tgctaatacag	acacatggag	cactgggcac	360
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 <211> 730  
 <212> DNA  
 <213> Homo sapiens

<400> 524						
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<210> 525

<211> 711

<212> DNA

<213> Homo sapiens

<400> 525

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gcccggaata	ctggggcctg	ccttagcatc	ccccatagct	tccacagccc	caggggtgatc	660
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<210> 526

<211> 692

<212> DNA

<213> Homo sapiens

<400> 526

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<210> 527  
 <211> 769  
 <212> DNA  
 <213> Homo sapiens

<400> 527

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tgaaccagcc	cctaacacag	atgangggat	ttgggactga	taagctctgt	gctgngtcca	720
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<210> 528  
 <211> 757  
 <212> DNA  
 <213> Homo sapiens

<400> 528

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<210> 529  
 <211> 821  
 <212> DNA  
 <213> Homo sapiens

<400> 529

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 <211> 765  
 <212> DNA  
 <213> Homo sapiens

<400> 530						
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<210> 531  
 <211> 768  
 <212> DNA  
 <213> Homo sapiens

<400> 531						
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<210> 532

<211> 761  
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 <213> Homo sapiens

<400> 532

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 <212> DNA  
 <213> Homo sapiens

<400> 533

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atataaaagc	aagaagtatt	tttttttgt	aatgactgaa	agctgtctgt	ggatgacctt	660
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<210> 534  
 <211> 735  
 <212> DNA  
 <213> Homo sapiens

<400> 534

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agataatgtc	tttaataaat	ggtgtctggg	aaactggntn	tccantntgc	agaagaatga	180
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gtgggcaaa	atttcttgtg	taatacctga	caaacaggca	accaaagcaa	aagtggacaa	360



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ggaagtttcc	acccatgggtg	gangcaaaaag	gggaataagt	ttctccatgg	cagggtgcagg	660
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<210> 535  
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 <212> DNA  
 <213> Homo sapiens

<400> 535						
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aaggcaacag	aaacaaggag	agaagcccga	gagacatgtc	tgcgtgctgc	cacgcatctg	660
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cnatgtntctn	aacan					735

<210> 536  
 <211> 785  
 <212> DNA  
 <213> Homo sapiens

<400> 536						
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atgntgcnc	ctctntttat	tccatgatta	aggganatcc	atnnggggac	tataagaaaa	300
gcnnntttnc	tgctntgngg	ncaanangan	tnacnngncc	cgggnnanag	ctcctatgct	360
gtntgcctgc	accacccccct	gccttccctc	atacctttcc	ntggatatgn	atgccagggc	420
ttnnacacatt	gcctnattna	tactnacntg	ctnatgacca	anacatncac	gtgataacac	480
aaacantggg	tgcttgnttc	tgatcnctag	aggnganctn	ttggnnngnt	ggagnactna	540
antnttctna	gtgtnacttn	agttcaatgc	ctggccatnt	gcnatnacct	tatatcntnc	600
aaagaggcta	ctgtgctttt	ancctttttt	aaaacctcca	tctgtattac	attgnnaacc	660
angtttcttt	aatnaggagc	ttgacctcta	nantgggaac	tcttgggaat	ggnccttagtg	720
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actnt						785

<210> 537  
 <211> 967

<212> DNA

<213> Homo sapiens

<400> 537

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atntctttac	ccccnannn	ncacanatgc	agacncacac	atngcanncg	nacacncaga	180
cacacacang	caagcactnn	catgcatggc	ccatgctcac	acacntgnan	nnaacatgcn	240
gtagacatnt	nagacacgtc	atgtnacaca	tggnacacan	gnnnaanaca	ctgctttnc	300
ngcanacnca	gacggcacnn	ngagacanac	atgcnnaaac	aacatgctcn	ctcacntnna	360
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acgnnctttt	aactaaaaan	cttgagacct	tnanttnntn	tggtgantnc	aatncctana	480
antnncttga	gngggatgaa	ccctaananc	ctggccctnn	tnccnctttc	aaggccnagn	540
aattganatt	attntctant	ngnnacacgaa	gcttntggta	ncangngncc	cgagnnctnt	600
tnaaanttnn	ctnttttnan	aatnaaacat	tttancgggt	ctnaggancc	gngcctncng	660
ggtagggann	naattgtnc	tgggnatagt	tctcacaant	natnttnaag	gggnnaagng	720
atnngngngg	ncctntntatg	nggcnnngcca	annaangggg	tcgnggttaa	natattccaa	780
gntaacanan	gnacnatggg	accnatccct	ntnngaagna	aggaactncc	tgnnccgacta	840
nnnactatgn	naaatattct	cacatntaca	naaaaagnag	gnnccnnggt	ncttnaagnt	900
tntgcatagn	nactatnct	gggacnggt	aacnnanatt	ntatgcttta	nnngatnggg	960
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<210> 538

<211> 892

<212> DNA

<213> Homo sapiens

<400> 538

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acatctactg	tttttgccca	aacagaatcc	ctttntcctt	tttttggttaa	aaggctcatn	180
cctaataatta	cattgctctg	gaacgantga	caataccana	actcagcacc	ntgatcggac	240
cgggacaatc	agattatcta	attcctcagc	aaacggagat	cgatccgaaa	agtggaaata	300
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tccacaatcg	ggngaaatta	nngggtnnga	cntaancact	ggatgaaaaa	aatnccgnt	480
tantnttatt	ncnnttccan	ncttntnaaa	tanananttt	ntcanccttn	nntaatacta	540
ttanntatat	ntnttnnncc	cnnatnnncc	ttcttntctc	tacnncnntn	cnatntnnnn	600
nnangntcnn	cnannnnntc	tnttatttct	annatatntc	ntancnttna	ctaaaacctc	660
cnctcgtnna	nattncnnta	taatattntc	tctaganntt	ntnntntntt	gnnncttaaa	720
anctntctta	tccctantat	nantnattct	taccatnaaa	tacactanaa	gtntntntcac	780
gagacncgnt	atgttantnc	anactataat	cgcttncatn	tanntatatn	taaaantgct	840
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<210> 539

<211> 751

<212> DNA

<213> Homo sapiens

<400> 539

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atgctatcca	agcatgttgg	ggtggaaggg	aattggtgcc	cagaaaatgg	gactggagtg	180
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gttcttttatt	gtgaatgttg	taacattttta	aaaatgtttt	gccatagctt	tttaggactt	300
ggtgtttaaag	gagccagtg	tctctctggg	tgggtactat	aatgagttat	tgtgaccac	360
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gggggttctt	tcatgttgcc	actccttttt	aaggacaaac	tcaggcaagg	agcatgtttt	480
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taaagtgtcaa	agttctcctg	ttaaaaaaaa	aaaaaaaaaa	actcgancct	ntanactata	660
gtgagtcctt	attacgtaga	tccagacatg	atnagatcat	tgatgaattt	ggaccaacct	720
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<210> 540  
 <211> 761  
 <212> DNA  
 <213> Homo sapiens

<400> 540						
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gtgatcattg	ttaattagtg	acatagtaac	atctgtagca	gctgggttagt	aaacctcatg	180
tgggggtggg	gtgggggtgt	attccttggg	ggatggtttg	ggccgaatgg	ggagtggaa	240
atttgacatt	tttctgtttt	taaattctag	gatagatttt	aacatccttt	gcgggtcccag	300
tccaaggtag	gctggtgtca	tagtcttctc	actcctaate	catgaccact	gtttttttcc	360
tatttatatc	accaggtagc	ccactgagtt	aatatttaag	ttgtcaatag	ataagtgtcc	420
ctgttttgtg	gcataatata	actgaatttc	atgagaagat	ttattccacc	aggggtattt	480
cagctttgaa	accaaactctg	tgtatcta	actaaccaat	ctgttggtatg	tgggttttaa	540
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gcctccaaaa	gtgttananc	caatcatttn	aaataaacn	ggntgtatat	tgcattnatgt	720
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<210> 541  
 <211> 748  
 <212> DNA  
 <213> Homo sapiens

<400> 541						
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gccacctgga	ggggcattgc	ttgggttcgcg	tggtancaga	ggagcttgag	aatgttcgca	180
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gtcgtggcca	taagagagca	aggaaaagaa	ctagtatgga	aacagcactt	gcccttgaga	300
agctattccc	caaacaatgc	caagtccttg	ggattgtgac	cccaggaatt	gtagtgactc	360
caatgggatc	angtagcaat	cgacctcagg	aaatagaaat	tggagaatct	ggttttgctt	420
tattattccc	ttcaaattga	aggaataaaa	atncaaccct	ttcattttat	taaggatcca	480
aagaatttaa	cattagaaag	acatnaactt	actgaagtag	gtctttttaga	tacctgaac	540
ttcgtgtggt	cttgnctttg	gttataattg	ctgtaagggtg	ggagccagta	attatctgca	600
gcaagtagtc	acncttttca	gtgatatgaa	tatcatcttt	ggcttggang	ccantngaca	660
acctgncatt	actgactttt	tgaanaaac	cctctggata	ttgatgcctc	gggtgtggtt	720

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748

<210> 542

<211> 784

<212> DNA

<213> Homo sapiens

<400> 542

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anactgtcca	ananantang	ngtcaataca	tcaacnnctt	tanntgcttg	atattgnnat	180
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gacananagt	tntgantgcg	gattaganac	cacngaagnn	acactnaagg	ancancatct	300
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ggagaaatca	ggtganctgt	tggcccttcc	acaaagangc	aaattctntg	agggcnagac	540
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gcccancctt	aangaagcna	ctttttaatc	cancggaacc	ngcttgagan	aaaaccnttt	660
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<210> 543

<211> 764

<212> DNA

<213> Homo sapiens

<400> 543

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agaanntgaa	aaaatggng	anctcaccce	ggtaanggat	gatgaagtnt	tnatggctnn	180
tgcatactat	gcannanttn	tncttntgna	aatgatgcnt	atgagtactg	taanngnntt	240
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ttnatantgg	agnnctttcc	ttaagattta	aaggtttgan	ggngagccnn	aggaattntn	720
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<210> 544

<211> 755

<212> DNA

<213> Homo sapiens

<400> 544

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ggttatgcaa	ctaataaaaa	ctaccttaca	ttaattaatt	acagttttct	acacatggta	180
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gctgnaatgc	tttganggtt	ttaaaaataa	taacattttt	aataattttt	taaaaggaca	720
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<210> 545

<211> 767

<212> DNA

<213> Homo sapiens

<400> 545

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ccccngtgnt	gtacaaaagc	ttncnacatt	tanctggctg	aggagttnct	caccntaac	540
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tnntagtnaa	ccgtgactgg	accacttaca	gtccaagccc	gggtngcctt	ataaaaagan	660
cggaaaacat	ttcnttaatt	cgggttnnag	cnttanctat	ttcggaatnc	cttgngtttt	720
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<210> 546

<211> 989

<212> DNA

<213> Homo sapiens

<400> 546

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nttnonncec	ttatngnaca	cacattgncc	tgattggncn	tnccncngct	agcttncagt	360
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tnnctnnccc	nnatancacc	ccnctcnctt	tcctttctaa	acttncacan	ntccctgana	480
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ntccngctc	nccttcattt	tnctacgtnc	cnccttctnn	ttnaactgnct	ttaaatntta	600
ttancnnent	ntnctntn	atctncaant	ttttnnnccn	acnnnnnttt	ncnntnnca	660
aatcgcnna	aataagtntt	gcncactcnn	ntnctancnt	attntccctc	gcnnntntcn	720
tcctctcccg	cnncactcac	ntnnncnnnt	caattntntn	nnacnncnc	tgctctacnn	780

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<210> 547  
 <211> 781  
 <212> DNA  
 <213> Homo sapiens

<400> 547						
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cgggggggcac	gtggagtcac	tgggaacattt	gngcaatgct	ggtgggaatg	tcaacccgng	180
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actcctagct	ccacccacag	gantngaaa	cnaagacgca	nacagatgcc	tgngcnccaa	300
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tcatcattac	ggcancatcc	gtcgtaacag	cggctacatc	acttcgccac	agnggcagca	420
tctgtngtca	cagnggcngc	anccttngcc	aaagcggcag	cntccttcgt	catagcggna	480
ncatnctttg	ccatanengc	naggtggaaa	ccctgnccat	ccactgaggc	ntncatanac	540
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tgcttanttg	nannnccant	cacacttgcn	nncggcgtna	tcctgctcac	gtgatncgac	720
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<210> 548  
 <211> 735  
 <212> DNA  
 <213> Homo sapiens

<400> 548						
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ggttccttcc	ctana					735

<210> 549  
 <211> 812  
 <212> DNA  
 <213> Homo sapiens

<400> 549

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<210> 550

<211> 742

<212> DNA

<213> Homo sapiens

<400> 550

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accatgaag	tcaanaatag	tgacatgtca	ntcggactgg	ccggnagctn	ttgggtagac	660
catgccatnt	ggcgccttgc	tgggtcttcca	tgancctcct	tggcaatcat	gggtcttntg	720
gcgaaccatt	ttgcaaacaa	ct				742

<210> 551

<211> 736

<212> DNA

<213> Homo sapiens

<400> 551

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gttaacttag	agaccatgag	atctatattat	caggaccagg	aagatncaca	cttcagggtcc	360
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ggactggnc	ggaactgctg	caaagaaaaa	taacagctcc	ttctccatta	tttacattta	660
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<210> 552  
 <211> 733  
 <212> DNA  
 <213> Homo sapiens

<400> 552						
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ctttattgtg	aatgttgtaa	cattttaaaa	atgttttgcc	ntagcttttt	aggacttgg	300
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atgtcaaagt	tctcctgtta	aaaaaaaaaa	aaaaaaaaac	tcgagccttt	anaactntnt	660
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<210> 553  
 <211> 870  
 <212> DNA  
 <213> Homo sapiens

<400> 553						
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tgggaattatt	cccccgccc	cntgcatcca	gcagcctgnt	gcagggaaac	tcctccnaaa	540
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aggttaaaaa	accccaaagt	tgggnaaaaa	gccatttggc	anccggggcc	nttttaaaaa	720
aaaccttttna	aaaacctttc	ccttttaaaa	ctttaccttc	aagntaaaaa	tttaaggggga	780
atgggnccaa	nttttttaac	canccecaaa	aaaaanttng	gnaatttttt	ttcccnaaat	840
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<210> 554  
 <211> 766  
 <212> DNA  
 <213> Homo sapiens



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<210> 557  
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 <212> DNA  
 <213> Homo sapiens

<400> 557						
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cactantttg	actttttaag	taaaaaantgt	aggggggtttt	aaanctactt	tcctnctncc	180
aaaaantcag	aaagtttcta	nccttntaaa	ttgggaaagc	aagcantgtt	ttaaaancac	240
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taaantaaaa	tttaccacag	aacaggaaat	agaanctgtg	gaagactcga	aatacacctt	360
tgtntttctc	tgttcttcac	ctgctctctc	gctgtctcta	cacacacaca	cacaaacaca	420
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 <212> DNA  
 <213> Homo sapiens

<400> 558						
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gtggatcccc	atgccattac	ctgctagact	cagggttnat	atactgtagt	ggaaaggatga	180
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ggcaggaggt	ncagtaagta	tccactttta	tncaagaaac	antagataaa	ctggaaatct	300
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tggagtgtgt	tagtctccca	ttcaagatgg	agtttcttta	gcctccattg	ataggagatn	420
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tgtaaaaagg	caggattttt	taactttttc	acatctttga	anaaaagccc	atagagcgca	600
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 <211> 743  
 <212> DNA  
 <213> Homo sapiens

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gctagacact	gtcaaacaaa	caaacaaa	aacaaaaaaa	ccccatcaca	tctcatgaga	180
cttatttact	atcatgagag	cagctcagga	aacacccact	cccgtgattc	agttacatcc	240
cactgggtct	gtcccacaaa	ttgtgggagc	tacaattcaa	gatgaggttt	gggtggggac	300
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taactttaat	cttgatgta	agttaagaga	gtgggtgtca	gagttaaatc	attttaaggt	420
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 <211> 833  
 <212> DNA  
 <213> Homo sapiens

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<210> 561  
 <211> 773  
 <212> DNA  
 <213> Homo sapiens

<400> 561						
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 <212> DNA  
 <213> Homo sapiens

<400> 562						
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tgggcgggca	gttcctttgc	atgtttcggg	agaggtttgt	tgatttgggg	cttatatgtc	180
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tnnannannn	ncngacannc	nncnnaatca	ngannntcna	cannnatcnn	annnnancnn	600
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<210> 563  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

<400> 563						
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<210> 564  
 <211> 798  
 <212> DNA  
 <213> Homo sapiens

<400> 564						
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aaancgnggn	anatacctng	gtcccctgtg	nanaaatngg	nttcccntta	caaaatttcc	780
cacnnaatt	tnngnncc					798

<210> 565  
 <211> 744  
 <212> DNA  
 <213> Homo sapiens

<400> 565						
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ctgccacnca	caccncgcac	tccctgccag	cctggcctca	gggcctctga	tccatgtgca	180
ctggagtggg	gatgactgac	agggccactg	gggcatttnc	acgttaacag	cagctgccac	240
tggcaaaaga	agtgactcgc	caatgggtggc	atctcagatg	tgggccagg	agtctgggga	300
gctactttga	acagggctat	ccattcattg	tcccaccaa	ggctatggag	cccaccacc	360
atgtgctgga	gtagtcaagg	gaaataagac	actctccttg	tccttggtta	ctcaatcaac	420
aagcatttgc	agagcacccg	ctatatgccg	gcgctgtccg	aagtgtgtaa	gatacagcaa	480
tgagctaagt	aagcactgac	ttcgtagaaa	accataacat	cggccatctt	tggaaaagag	540
aaaaacaatg	gagttactta	tttaaaaaaa	aaagaaagaa	agttatctct	tccanganag	600
gctagaagta	cttttctgct	ttttggccag	tgcccantgg	aatgcctggt	ttggggggaag	660
aagaagggac	tgggttaact	gtggtgcttt	tggtgtaaaa	aggcanctgg	cctttgtact	720
tgaggagaaa	natggagcct	tggg				744

<210> 566  
 <211> 756  
 <212> DNA  
 <213> Homo sapiens

<400> 566						
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ctggctatgt	ggacgctggg	gcagagccag	gccggagtcg	aatgatcagc	caggaagagt	120
ttgccaggca	gctacagctc	tctgatcctc	agacgggtggc	tgggtgccttt	ggctacttcc	180
agcaggatac	caagggtttg	gtggacttcc	gagatgtggc	ccttgacta	gcagctctgg	240
atgggggcag	gagcctggaa	gagctaactc	gtctggcctt	tgaggtaatg	gggggtggcg	300
gtggtggggg	gtgcttantg	gctatgctca	ccccgctnca	ttangcctat	tttggctctgc	360
tgtttccaaa	tgcttctana	tctaggcatt	tggtatccaa	cctattgcca	cantgcctan	420
aactncaaac	ccccngccnc	tatgntnana	cctacttggc	acaagaacaa	nngnanacnt	480
tgnnnatatn	ccanaangnn	naanattaca	nantnttata	ataccaattn	ntnttgangg	540
tgtnnnnnnc	anaaacnttt	gntnacngnn	nnnnntatna	atnnataatt	nnnnntttgn	600
nancannanc	tatgnnnaat	taaangnntn	tnnccnnnnn	nnnacnnnna	nnnnntttan	660
nnanttnenn	ttnnnnntnn	nnnnnnnnnt	tnaanaant	nnnnnttnat	nnnnnnnnnn	720
nctnnaangt	ntntttnnnn	nnatnnnnnn	nnnnnc			756

<210> 567  
 <211> 746  
 <212> DNA  
 <213> Homo sapiens

<400> 567

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tncgaattcg	gcacgagatt	tcctccagtc	ctgggccccca	tccttnaggg	ccttcccagc	120
cagccagcag	gagaggcaag	aactggggga	acacaggaac	ctaggggagg	aggggagcgc	180
tgggcatcct	caggctggcg	gccaagcctg	cccctggagg	cactagagga	gggcatctgt	240
ctgtgggagc	ccagagctgc	agggaggagg	aggagggagg	tatctggtgt	gagcgttgcc	300
cctgcgacat	ttgggaccac	acaggtgggc	ttccttattc	cctgacaaaag	cctctgtttc	360
cagctcttcc	gccctctctg	gatgagggaa	cagaagtggg	ggaaacaaaa	gaagcagcag	420
cacgcacagt	cctgtcgctg	ggtgcgggaga	cagcctggca	aagtcccact	cagccatggc	480
ctgatgcang	ccccagccct	nctttcttgg	gtgtcaaatg	actgtgtcct	ggacatctga	540
tgcaccacct	gccctgcctg	ttgcaaacgt	gatgtctccg	gatggaatgg	agaaactagg	600
agactgggac	aagcaaaaang	ctgcaaaaca	cccagaaccc	attcttagaa	nactggagaa	660
atgattgagg	aatcattggc	accgtggncc	tgtgttcat	nacaaacacc	tttnagaaca	720
acttgggatt	gaaaaaccaa	gacant				746

<210> 568  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

<400> 568

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agagaatagg	aaagacatga	accaacgccc	aaaatgagaa	agaaggacat	ataaagaaaa	180
agacaaatac	aagtgaaaaa	aatagactaa	tggattaacg	tcctgtcgt	gtgacatttt	240
ctgctatgga	aatgatatta	gacaaaaagc	acttcaagtg	gttttcttat	ttgagttcaa	300
aatgggtcat	aacgcagcag	agataacttg	aaacatgaac	agcgcatttg	gcccaggaac	360
tactaacgaa	catacagggc	agctgtgatt	caagaagttt	tgcaaagcag	actagagcct	420
tgaatatgag	gaacacagtg	gccagccatt	ggatgcttca	cttcttgaag	catcttgaca	480
gctttttgca	ggtgaaatgc	ttncacacca	gcaggatgca	gaaaaatgct	ttccaagagt	540
ttgttgaatn	cagaacatgg	atgtttatgc	tgcaggaatt	aacaaattta	tttctcgttg	600
gcaaaaaaagt	gttgattgna	atgggtccta	tttgattaat	aaagatgtgt	ttgagcctaa	660
aaaaaaaaaan	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnat					738

<210> 569  
 <211> 753  
 <212> DNA  
 <213> Homo sapiens

<400> 569

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tgaagagggtg	gaagcaaagt	tcaagcgata	tgagtctcat	ccagtctgtg	ctgatctgca	180
ggccaaaatt	cttcagtgtt	accgtgagaa	caccaccag	accctcaa	gctccgctct	240
ggccacccag	tatatgcact	gtgtcaatca	tgccaaacag	agcatgcttg	agaagggagg	300

ataaaaaactt	tcagaatgag	caaaacacca	tcaacggttaa	ttccagagat	ggaacattttt	360
ttttcctagt	gagaaaaacaa	cccatttgaa	gagaagaccc	taatgagaag	accctaaaga	420
gagacatcaa	gaatggattc	agcagaatca	tttcaacgttt	tgaacagcag	cagtttgaan	480
ggccaaagcc	tttgatcagg	gatcccgta	ttaaaggaca	ctcttgagta	ttagtaaacc	540
ctcttatgat	gattaaaaga	gaagggcagc	cctnttcacc	tttttgggtct	ttctattcaa	600
cttgccgtgac	cataaaatgg	ttctcttctg	nacaaagccc	catcatttgg	tgaacctcac	660
ccttaacaaa	gtaggattgg	ggttgggggg	cttaattaat	tggaatgggg	ccaaggagaa	720
gagcccgaaa	ccttagatnc	canggnana	agt			753

<210> 570  
 <211> 832  
 <212> DNA  
 <213> Homo sapiens

<400> 570						
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gtgacttatt	ccagagtgcc	tcagttaggg	gaactttctct	gtaaaagaacc	ctgggtattg	180
agcaaaaacc	ttattatcgt	taatgacct	taattggaag	cttcctgcct	ttttctttgg	240
ttgctcctgt	ggaaaaatact	gaaaagatta	ctttgtttta	ttttgttgtc	tttttataaa	300
aggggaggtg	gagagacccc	ttcagagcag	ggattgtgcc	gggagagtgc	ctctgacttt	360
gggacatttc	atccacagaa	attnncaagc	caatggtttc	ttttggggtt	tgggttttta	420
tgtttgnttt	ttgggggttt	ggaaaaacat	gcattttttac	cgtgcacgta	aaattgggtca	480
nagaaaaagg	gagcccagaa	aangcagcan	atggggccatg	cccctttgct	gggttttcct	540
tttcttttgg	gactgtnaag	ggtngggggg	tttttanaag	gtgaagggtt	ggtcctgttg	600
gaaggaaaaag	aantgtctct	gttngggggg	acaanaaggn	acccttgggg	gaggtccatt	660
cgcaatggtn	cctacccaaa	cnnggntctt	taanaacacc	ngggcctttg	ncccgagnaa	720
aaaaccctgg	gcccctttta	naaactttgg	nangggaacc	cgggaaaacc	cccttggggc	780
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<210> 571  
 <211> 748  
 <212> DNA  
 <213> Homo sapiens

<400> 571						
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nnagcccatc	gatgcgaatt	cggcacgagg	ctaggattac	aggtgtgagc	caccatgccc	120
agccacttat	ctttaaagga	ttaagtttat	gtttcctact	atgggaaacc	atcccccccc	180
aaacttgatg	accgcattat	gtgcttttat	agaacatggc	acttctccag	gatagcattt	240
attctgtttt	gtaagtgtga	atgtaattac	cctacacaca	gcatacacat	aatcttcata	300
ttctttgcct	tgtcttgtga	aggcaagggc	catgtctatc	ttattcgtca	ttagattccc	360
acatccaaca	tagtccctggg	gacagcacca	atgcactttt	ggtgcataag	caaatagtgc	420
atttatagct	cttacctaca	atatctgata	gactaatcaa	atatagtagg	ttatctgggc	480
ctttttgatt	catgtctcta	gcttaacttt	catttttttc	ttatttggt	tctctcactt	540
tgcccttttg	tatactctta	cagtttcgct	cactgagtaa	aagaaaatnt	aaacagcaag	600
aagtaaaactt	gtgtttttatg	gatttngata	acatcttcta	aaagaccccc	caagattggt	660
gatgtotaaa	aaaattaaag	ggccttcaac	tcataataat	acttaatagt	tcttaaaata	720
ttacaaaactg	attggaacat	tgccctaac				748

<210> 572

<211> 755  
 <212> DNA  
 <213> Homo sapiens

<400> 572

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ggtatccent	gcatncgaa	ttcggcacga	ggctgagcac	ctttggaaac	aacatttaag	120
ggaatgtgag	cacaatgcat	aatgtcttta	aaaagcatgt	tgtgatgtac	acattttgta	180
attacotttt	ttgttgtttt	gtagcaacca	tttgtaaaac	attccaaata	attccacagt	240
cctgaagcag	caatcgaatc	cctttctcac	ttttggaagg	tgacttttca	ccttaatgca	300
tattcccttc	tccatagagg	agaggaaaag	gtgtaggcct	gccttaccga	gagccaaaca	360
gagcccaggg	agactccgct	gtgggaaacc	tcattgttct	gtacaaagta	ctagctaaac	420
cagaaagggtg	attccaggag	gagttagcca	aacaacanca	aaaacaaaaa	atgtgctggt	480
caagttttca	gctttaagat	atctttggat	aatgttattt	ctatctttat	ttttttcatt	540
anaagttacc	anattaagat	ggtaagacct	ctgagacca	aattttgtcc	catctctacc	600
ccctnacaac	tgcttacaga	atggatcatg	tcccccttat	gttgagggtga	ccacttaatt	660
gcttttctgc	ctccttgaaa	gaaagaaaag	aaagaagact	gtgtttttgc	caactgattta	720
accatgtgaa	actcatctna	ttaccctttt	ctngg			755

<210> 573  
 <211> 743  
 <212> DNA  
 <213> Homo sapiens

<400> 573

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nacnnntgc	gntncgctca	cacagcatgt	gtcagatcca	tggggtagga	gtcgggcaga		120
gacttggtaa	cagacagatt	gctggatccc	accctagac	tctctgattc	agttagtttg		180
gggtaaggcg	caagactgaa	tttttcacaa	gtttcccagt	ggtgctgata	cttctggtec		240
aggaacttag	tggggagaga	acgactaatc	tagaccattt	cacttcacat	tctgagcttc		300
ttgtcactgt	cacactgcat	ccttttaaca	atgcattccc	tatcctattg	caatactgac		360
atctcatcaa	tattttaaaa	catgcgtttt	cagaaacaat	atcttatatc	aaatactcac		420
tttttagta	atctctgcaa	ttttgcccta	tggatctgag	atctaacaaa	tactattctg		480
gacatgggct	acaacagttg	aggctggaag	taaaaatggt	aaaccctgct	gaccacgtta		540
ttttaaagt	tatttttagtt	agaataata	tggcttagga	gcagggctaa	acagtagcag		600
tcacatgggg	aatgatactt	tgcttttgca	cataaaatgt	cctgaagggga	aaaaataaag		660
cagaaaattn	ncagatgaac	tgaaaatctg	tacaaatggt	gggctgaata	ctgccagcgt		720
tgangtgtag	gaaaatgaac	cnt					743

<210> 574  
 <211> 737  
 <212> DNA  
 <213> Homo sapiens

<400> 574

ccgtcta	at	ctggnttcta	atcgttttct	taangetcnn	gggctcgnct	tcnctncacg	60
cagcccggcg	gtgcgaattc	ggcacgaggg	gattacaggg	atgaccacc	gcgcccagcc		120
tgtnatttct	tatactntgt	atcttggnct	tgtattatgc	ttctgatacg	ctataattat		180
ttatgtccat	gtncntttct	tcaatagact	gtgaactctt	cgaatgtngg	actcctagag		240
ctagatnctc	nattattnnn	tattaaattg	aatgacttgn	aactacagat	cctttattta		300
aacttcccaa	atctctgctt	tatctaggcn	actctttaaa	ttcttttatc	tcagttagat		360



ttcanaggct	gaaataattg	agatttttag	tttgaagaaa	agagaactgn	ggattttaatg	420
gcnttattat	tatatattta	atggctgttt	gggagtnagg	ttgcagacat	tggtcacttt	480
cctcctaaat	ncttaaatat	tccctaaaaa	caggncattc	tttntttnt	tatggagtct	540
ggctctggcn	tccaggctgg	antgccngg	cccactcttg	cttactgcag	ctccccctcc	600
cgattcnccg	tgggtctcctg	nctngctgct	cgaggagctn	aggccnggga	atcgttgacc	660
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cggacctccg	nctgnat					737

<210> 575  
 <211> 766  
 <212> DNA  
 <213> Homo sapiens

<400> 575						
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ggnatcccat	cgattcgaat	tcggcacgag	ctttctccct	ctgtgcctcc	tgcttccttt	120
ctctctcctg	cctctcctct	gtccccatc	ccactttctc	atctgcctcc	ttttctcact	180
tctgtcagtc	tgtaagcttt	gataacctgc	ttaatactcc	aaagtgtgag	ttcctctgat	240
ctcttgatcc	cttagttcta	atctcacgtt	ttgtttttta	gagatggagt	ctctcactct	300
gtggcccagg	ctggagtgc	gtggcatgat	catagctcat	tgcacctctg	aaatcctggg	360
ctcaggtgat	cctnccgcct	gagcctcctg	agtatctggg	actacagatg	cgtgccacca	420
agcctggcta	atcttctctc	atgtcttcta	aaaattatct	tgtgaagccc	cttcacaaaa	480
aaccttaang	gaaatctgat	ggtgctcagg	aatctaactc	tccctaaacc	atcctctttt	540
aactgcttct	aaaatatctc	tggtggcctt	tcttagcctt	tttctgggtc	attcaatgct	600
tcaaagcgct	ttttgnttct	aagttgagtn	ctttgggggt	ttgacaggta	gtgacgtgta	660
gttttgacac	tgtaactctg	ttnaatacag	tgaaaangtt	tgtgaagtga	aaaatgcttg	720
anaaagaatg	gnaatgcctt	tntacaaata	aaagtnttgt	taaaat		766

<210> 576  
 <211> 761  
 <212> DNA  
 <213> Homo sapiens

<400> 576						
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ancacaggcg	ntgngaattc	ggcacgagaa	gataacctct	taatgcattc	atgttgtata	120
tgaaggaaat	gagagcaaag	gtcgtagctg	agtgcacggt	gaaagaaagc	gcggccatca	180
accagatcct	tgggcnagg	tggtatgcac	tgtccagtag	tatttattgc	tttagagatt	240
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taaagttttt	ttccccctta	gcataagcat	cttatatata	acaactcatt	tgtacaagggt	360
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ttctgtatga	aaccagatg	tcaccaaagt	gacattaata	ggtgcattaa	ggatcagtag	480
cattaacaaa	agttgcttta	aaagccatta	tgtaaaacaa	gacttgaaaa	tgagtgaggg	540
aatttttagcg	acactgtctg	agcacagtgg	gaaccatctt	cgtttccctt	ttgaactcca	600
antgggatgc	cctaccctgg	cgcccttag	gaccccgagc	tggcccgngt	acaaaacttt	660
accgtgccaa	aattcttaag	tgaatttacc	tttctnctc	tttttgaagc	tngaaatttt	720
tggtcatcan	gntttgcttg	tgatngtaca	tanggtngaa	n		761

<210> 577  
 <211> 803  
 <212> DNA

<213> Homo sapiens

<400> 577

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nananagaat	aggtttgnga	attcggcacg	aggctctccg	cccggcgccc	ccagtgtttt	120
ctgagggcgg	aaatggccaa	ttcgggcctg	cagttgctgg	gcttctccat	ggcctgctg	180
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cncngcgcca	atgcattggg	ccccgtaccc	acttttggtg	cctttaantg	aagggtttaa	600
tttgccccnc	tntgccgtaa	ttcatgggnc	atanncttgn	tttcctggng	ttgaaaattg	660
gntaatcccc	ttcnacaaat	ttccnccaca	atcatttacc	aaaccccnng	gaggcctttt	720
aaagnnngtna	aaanccctgg	gggtggccct	taatttaagt	ggnncccttaa	ctcncnttta	780
antgcenntg	cccttcactg	cct				803

<210> 578

<211> 738

<212> DNA

<213> Homo sapiens

<400> 578

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agcgggctga	gtcggagcag	gaggcctacc	tgcgtgagga	ttgagggcct	gagcacactg	180
ccctgtctcc	ccactcagtg	gggaaagcag	gggcagatgc	cacctgccc	agggttggca	240
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ctttgtgagc	tgtgagtgcc	tctgtgggtc	tcaggcttgc	gctggacctg	gttcttagcc	360
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tcattgccctt	aagttcagca	actgtttaac	ctgttttcag	tcttatttac	gtcgtcaaaa	540
atgatttagt	actgtttccc	tctgttggga	tgccagttgt	ggcaagggga	ggggaacctg	600
tccagtttgt	accatttctt	tgnatgtatt	tctgatgtgn	tctcttgatc	tgccccact	660
gtcctgtgaa	ggacagctna	ngncaaggag	tgaaaaactt	tacttcttaa	aaaaaaaaan	720
nnnnnnnnnn	nnnnnnaa					738

<210> 579

<211> 758

<212> DNA

<213> Homo sapiens

<400> 579

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tcaagaaaca	gcctaaagga	cctgcctgat	gtgcaagagc	tcatcactca	agtgcggtca	180
gagaagtgtc	ccctgcaggc	cgaagccatc	cttgatgcaa	acgacgctca	tcâaacagag	240
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ctgccttgga	ccttcccttg	tcaccaaaca	agccaacctt	gtgcaacttc	accaggcttt	360
cacccattcc	ctgcaagcct	tggctttttg	acctggccct	caaccatgtg	gctttccacc	420

ccttgaggac	aagttggaac	agaagaccaa	gagtggcctc	actggataca	tcaanggcac	480
ctttggattc	aggagctaac	caggctcttn	ctcgggggcg	ggggagattc	tgactcttaa	540
tctggattgt	gagaaaaatc	cagcaagttc	catgatattt	aaatccaggt	ctgcattggc	600
ccggggcaag	agtttaacat	cttcggggccc	tgcatttcct	acatcttggg	gtctgtacac	660
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 <212> DNA  
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<211> 745  
 <212> DNA  
 <213> Homo sapiens

<400> 582

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 <212> DNA  
 <213> Homo sapiens

<400> 583

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 <212> DNA  
 <213> Homo sapiens

<400> 584

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 587

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<211> 771

<212> DNA

<213> Homo sapiens

<400> 588

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<210> 589

<211> 844

<212> DNA

<213> Homo sapiens

<400> 589

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<212> DNA  
<213> Homo sapiens

<400> 592

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<212> DNA  
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<400> 593

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<212> DNA  
<213> Homo sapiens

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natattttgc	cnctcattat	tntgctnatn	tatntggttg	acacannata	ctnnnancna	840
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<210> 612  
 <211> 771  
 <212> DNA  
 <213> Homo sapiens

<400> 612  
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 atattntoc tgctcgagac acatgatgtt tcatgtatct gtggcttttt atagttttaa 180  
 ataatttctg gaaaagtcac agtcattatc tctttaaccg ctccctctct tccattctct 240  
 ttgttctctc ttctcgaac tctgttagt catttgatcc tccatatctc tgaatatttt 300  
 tgtatttctt ttattattta tttcttgtct ctgctacatt ttacattgag taaaagtggg 360  
 atgtgacagt gggaaatcat tagtgactta gaaattccag ttggtcattg ggccaatttt 420  
 gatgctacct tctctctttt atttctcact tcaaaataaa atttgcaaaa acaaaaaatt 480  
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 agacagctga gttataacaa atgagagtac tgttggtgta ctgcattaat tattcccttt 600  
 ttaaatgtac aagagcaang cattctacct gactgngtta ttgagctctg cancatacat 660  
 ggtgacanag ctaaaacaan acaagcnaa ccnanaagga aaacccagc tttagggata 720  
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<210> 613  
 <211> 774  
 <212> DNA  
 <213> Homo sapiens

<400> 613  
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 cttaaagtaa taatacgtca tggccctgct ataaggtagt agttctagaa gactgtntat 180  
 ctaataattc agactaaagc tatttatatt gctgtgacac cacgtggaaa acttttataa 240  
 ttccatctta tttctgatgt atatgtttta tttctctctc cttcataaga actaaaaacc 300  
 aaagtatttt acgtgaaaac aagatttttg tttgagttca tttacttgag atatgtttta 360  
 aaaatccacc ttctgtcaca ctatagaagt atattttgaa ttatcaaaag gtagaattat 420  
 aactttcana aaagaaaaaa atggtcaatt tantttaact ctatgtcaaa aattttattta 480  
 tagtctcata tattcattcc acaccccccg ttctctcttc cttctttctc cctctgcctt 540  
 nttcttaatn atnattttta aattctgacc aaaaataaag tngtggcaag tactttctta 600  
 gcataacctg gactggttga agnagtaatt ctgntccttt aaaaaaantc cccaactggg 660  
 ncccngnca ggnacaaaaa nttntaanga acatntggga attangcnaa atggatnttc 720  
 cttggaggtc caacccccaa aaatcattag gncnaccaa attnaaata atcg 774

<210> 614  
 <211> 754  
 <212> DNA  
 <213> Homo sapiens

<400> 614  
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 caaattgcca aaagccagag ttgtttatgc tagtgcaact ggtgcttctg aaccacgcaa 180  
 catggcctat atgaaccgtc ttggcatatg gggtaggggt actccattta gagaattcag 240  
 tgattttatt caagcagtag aacggagagg agttggtgcc atggaaatag ttgctatgga 300



tatgaagctt	agaggaatgt	acattgctcg	acaactgagc	tttactggag	tgaccttcaa	360
aattgaggaa	gttcttcttt	ctcagagcta	cgttaaaatg	tataacaaag	ctgtcaagct	420
gtgggtcatt	gccagagagc	ggtttcagca	agctgcagat	ctgattgatg	ctgagcaacg	480
aatgaagaag	tccatgtggg	gtcagttctg	gtctgctnac	cagaggttct	tcaaactcta	540
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ggaaaaatgt	gttgtaattg	gtctgcantc	tacaaggaga	agctangaac	atttagaaa	660
ctttggaaa	aaggcggng	ggagaaattg	aatgattttt	ggtttcaact	nccaaaaggt	720
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<210> 615  
 <211> 774  
 <212> DNA  
 <213> Homo sapiens

<400> 615						
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aaattcactg	tncatgatca	gtttgggtgt	cttgaccac	agtttttaac	tgaagggaacc	360
agttgtaaca	gtctcaattt	ttaactaaaa	cttgaagaac	taanacaaca	atgcaaacct	420
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gtggcaccaa	ctaattagca	agcatgaatt	tttcacccaa	nagtga	aggaaaatct	540
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gcagtttann	atccttatgg	aantttttca	cantgtnac	nggtnttgta	atacnttgga	720
ngccctacat	tttctntanga	atntattttn	cttggcctaa	nttggnttca	angc	774

<210> 616  
 <211> 769  
 <212> DNA  
 <213> Homo sapiens

<400> 616						
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tcgagacatc	agatcctcgg	ctccgagact	gcagagcgga	gatgcaccgc	gtgggtccaag	360
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cgggccatgt	ggatcgcctc	tttgaggatg	tcaaanagct	tactggaggc	aaagtggcan	540
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gtggatngtc	aanngcactc	ttgtgggcca	cacaanagat	tccttttttg	cctgcaanac	660
cntgtntgaa	acccctttaa	cttatngccn	attnctntna	agcaaccctt	aggcnanttg	720
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<210> 617  
 <211> 766

<212> DNA

<213> Homo sapiens

<400> 617

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ccaggtggca	atcatgagtg	aatggatgaa	gaaaggcccc	ttagaatggc	aagattacat	180
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catcactgaa	cagggagacg	ctccaaagac	tctctgtgtn	gctgggggtnc	tgactataga	540
cccaccatat	gggtccacaa	naantgcagc	atctctaatg	aganttattc	ttgcccttng	600
ttcaangatc	ttattgaaag	gacatcttac	agcttttccc	aatgagaang	cccangaagt	660
gttaaacata	ctgnnttgaa	aaaagcactn	tatntnttcc	cntnttaana	tggtntctaa	720
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<210> 618

<211> 762

<212> DNA

<213> Homo sapiens

<400> 618

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cctcaagcaa	tcctcccacc	tcggcctccc	aaagtgtctg	gattaaaggc	gtgagccacc	300
gtacctggcc	cttgggtgaa	tctttagggt	tttctattca	tacatatata	atcatatcat	360
tggcaaacag	agataat	acttcctcct	ttccaatttg	gatgccttag	atctcttttc	420
cttgcttaac	tgctctgtct	agaactccca	gcactatgct	gaatagagtg	gcaagagcag	480
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tgtttgctgt	tagtttttca	taaatgatct	atatcaggct	tgaataaatt	tctatttcta	600
aaaaa	atataacnnn	ntanttnatn	aantnnttaa	naaaa	actggnacct	660
ntaaaactta	tagtngagtc	gtttnaccgt	anatcccana	ntttgataan	gatacattgg	720
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<210> 619

<211> 754

<212> DNA

<213> Homo sapiens

<400> 619

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gccggccacc	tggaggggca	ttgcttgggt	cgcgtggtag	cagaggagct	tgagaatggt	180
cgcactcttac	cacatacagt	tctttacatg	gctgattcag	aaactttcat	tagtctggaa	240
gagtgtcgtg	gccataagag	agcaaggaaa	agaactagta	tgaaaacagc	acttgccttt	300
gagaagctat	tccccaaaca	atgccaaagtc	cttgggattg	tgacccagc	aattgtagtg	360
actccaatgg	gatcaggtag	caatcgacct	catgaaatag	aaattggaga	atctggtttt	420

gctttattat	tccctcaa	at	tgaagga	atn	aaaata	caa	cctttc	at	t	tattaag	gat	480
ccaaaga	aatt	taacatt	aga	aagacat	caa	ctt	cactg	aa	gtaggt	c	ttt	540
ctgaact	tcg	tgtggt	ccct	tgtcttt	ggn	tataa	atg	c	gtaaggt	ggn	agccanta	600
tntctg	caan	aagtang	nca	gcactttt	ca	gtgatt	tgaa	t	tatcat	c	ttg	660
cangtgg	aca	acctt	gtcat	aactg	acttc	tgaaa	aga	aac	cctntn	gata	tttgatgc	720
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<210> 620  
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 <212> DNA  
 <213> Homo sapiens

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tgttct	tttgt	natect	ctcg	tgagct	ctct	gtaag	tcnnt	ttcttg	ccca	tcacc	acac	180
cctagt	actg	ggatc	agtc	tg	ggcact	tg	gctttc	tggt	ttgccc	caat	gtggtc	240
cttgat	gcag	ctaccaa	agt	aatgt	ttttaa	aaccat	tata	ccaagt	tact	atcctt	gtca	300
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ccttcc	agcg	ccgttat	tct	tcctg	atgcc	cctagt	acac	aacaact	cct	tcctg	ctcca	480
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ttcattg	cng	aatctt	ctnc	aatat	catct	tctaaaa	aga	gccttt	ttaa	aatcac	ccttt	600
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attgcta	acn	tgaaata	cac	taa	atgn	nan	ccttc	atgaa	nggtan	ggca	anttaa	720
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<210> 621  
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 <212> DNA  
 <213> Homo sapiens

<400> 621												
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tnctta	aaaca	tatgt	gaaca	aaaatt	tngt	gatgga	agga	ttctag	ttaa	tgagt	attgc	180
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caggc	agnta	ctgagg	ctct	tccan	ntcn	cagtana	cag	ccactc	agcc	ttgaaa	atgg	300
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accata	agtn	gantct	ctct	tgtnag	tgat	ttgggt	tagga	agaggc	catg	tctana	gttc	420
natttct	ctg	ttgggt	ccna	ntgaa	attgg	accttt	tnag	ttgttc	anaa	aatna	anat	480
aaattn	ctca	tattaa	atca	agann	ctcnt	caantt	atag	atgtgg	gggta	gggttc	ccnng	540
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cntgaa	attc	attact	tttag	tnca	aggcct	accttt	aaan	gtttnn	ncnn	gaacc	at	660
tannnn	ttcn	nctttt	gnnc	caanan	ntca	tttta	ancca	ccaaa	antcn	caatt	ntnt	720
tncatt	nnaa	tann	ggatgn	naatt	atnnn	atcnat	gtgt	catatt	tnac	cangana	aata	780
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<210> 622  
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 <212> DNA

<213> Homo sapiens

<400> 622

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agtcagaatt	tatagctttc	actatgtcca	agactaggac	tgggttataa	agattttctt	180
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aagattcatt	ccttagtctt	tgggaatttg	atgtctcaaa	accagatgag	tgggaagtgc	300
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<210> 623

<211> 1164

<212> DNA

<213> Homo sapiens

<400> 623

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nanancatnn	nanntnncca	atctaccaa	atcanaaac	ncantgaaca	acacananna	300
tnnnatacnn	tctacnccaa	ancnncncat	nncacgcag	ataanacanc	nnnnaaaaan	360
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nacaantaaa	nntnanatta	aaaaagttgc	aannatncng	ngaaanntcc	cnanaaacan	1080
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<210> 624

<211> 798

<212> DNA

<213> Homo sapiens

<400> 624

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<210> 625

<211> 793

<212> DNA

<213> Homo sapiens

<400> 625

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ctctgcatgc	aacagtaaaa	attaatataa	tattttcccc	acaaaagaaa	cacttaacag	180
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<211> 825

<212> DNA

<213> Homo sapiens

<400> 626

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<212> DNA

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 <213> Homo sapiens

<400> 643	
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ggtattatga attagcacia gtattgcttg ctatgcatgc taatgttgaa gatcgaggga	180
ataaaggaga cataactccc ctgatggcag cttccagtgg aggttactta gatattgtga	240
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gcaaatatag aagatcataa tgaaaatgga catactccct taatggaagc agccagngca	420
ggtcatgtgg aagttgcaag agttctttta gatcatggng caagcatcan cactcattct	480
aatgaattca aagaaangtg ctctaact ngcttgctac aaangccatt tggatatggg	540
gcgctttcta ontgaagctg gtgcagatca agagcncaaa acagatgana tgcacactgc	600
cttaatggan gcctgcatgg atnggacatg tanagggtggc acgtttgctt tttggatant	660
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<210> 644  
 <211> 759  
 <212> DNA  
 <213> Homo sapiens

<400> 644	
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tnngagcnan	ttntgcnnnt	tacnggctag	cttgntgggg	gcttaanntg	ccactnttan	240
acatgctnta	ctantcantg	agannntnctn	ntcgaccatn	tannacnatn	ctgtgnnntc	300
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ncactgannt	nactatccan	natntaagtn	ctcttngctt	actgtgaaca	nnngctactn	420
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ctggnttgac	ctaagngng	aantcnatgg	tccgattgct	ggnccctanc	cttaagnttt	720
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<210> 645

<211> 766

<212> DNA

<213> Homo sapiens

<400> 645

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aagccgagcc	acctangcaa	cagtcacccc	ccttagtaaa	caaagaggaa	nagcatgcac	180
cagaatcatc	cgcaaatnag	acagtcaaca	aagatgtgga	cgcacaggct	gaangagaag	240
gganccgccca	tccatggact	tattcatggc	catctttgcc	agttcctcat	atgaaaagtc	300
ctnatectgc	gangatganc	acggtgacag	tnaanatgat	caggcacgct	ctggngagga	360
caacttccaa	agctggnaag	acactgactt	ggnggaaaca	tcatctgtgg	ctcacgctnt	420
tgtgccagng	ccctaggagc	cgtcaccttc	cttcccagata	caaangatgc	agatagatna	480
naganaagag	ntcgccngn	ngctgcctcc	cgtcttatgt	nccaatgctc	gtcagacact	540
tgaagttnct	canaaagaga	aacattccaa	gaacaaagac	nagcacaang	gcaatanaga	600
acacaggccn	gaaagaattg	anangaaatt	ggaaacactn	gaagcacnaa	acacctaang	660
naatccaaaa	naattggcaa	accaggggaa	aagtaggtnc	ctnccnggaag	tttcgacagc	720
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<210> 646

<211> 752

<212> DNA

<213> Homo sapiens

<400> 646

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gggctccctt	ctcgtccgcg	gcctcaccac	tctgggttta	gtcaacagcg	catgtggctt	180
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gaagtacttg	caatctgaaa	agggttatgc	tgtggagggt	cttttagaac	aaaatagatc	300
tcggctcacc	aaattccaca	acctgaagge	agtcgtctgc	aaggcctgca	tgaaggagaa	360
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gggctccagc	taccacagga	cggtctctgg	gtatagccgt	tccagtcagg	gacagccgtg	480
gagagaccag	ggaccaggaa	gcagacagta	tgagcatgac	cagtggagaa	ggtactagtc	540
aaccttcaga	aagagtatgg	agagaaaaag	aggcacacct	ggacgcagag	ccctgccagc	600
gccctctctg	ctgttgagc	tgcaaggaga	ccatgcctgt	gggagccagg	cctcgttgc	660
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752

<210> 647

<211> 743

<212> DNA

<213> Homo sapiens

<400> 647

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gactgtcaca	tgtggtttgc	tgggtggctt	ccactggcga	agagaagcta	caaaatatgc	180
tcgatggata	gcattcactg	gaaccactat	gagaagatta	taggaaaaac	accaagacta	240
gaggactctg	ggttcctttt	atgcaaagtc	aactottctg	ggtcacagtt	accagcaac	300
aaaaataaag	agaggaccag	gacgatgcc	gcaccccggt	tatcctgagt	gaactctccg	360
gaggcctctt	caagcttgtg	ggttctctgc	tgtcttgaag	ccatccatcc	atttgatagg	420
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agtaaatatg	gccagtgtat	ttggctcact	ttaaatcaat	ccccattcat	tatctgtcan	600
ggcaactcag	tgaactaaat	actatgttct	gacctctggc	actctttctc	atgttgggtta	660
aatattttaat	attgnctaag	gcaattcaag	tatttttctt	aaataaaaaa	tatgaaaact	720
caaaaaaaaa	aaaaaaaaan	ana				743

<210> 648

<211> 759

<212> DNA

<213> Homo sapiens

<400> 648

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aatgttttagc	tgggaggggt	gtagggaccc	ctgttacccc	cattaaacac	agtaaagcat	180
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ccatggctaa	gccttgtgga	aaccagaccc	caaagccct	gccatgccan	gggtctcaac	420
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tgntgacacc	tatntagct	tcanttnct	taacttgaaa	aattgaacan	gcccggtncg	660
gtggctcata	ccctgtaatc	ccancacttt	tgggangctt	tangccgntt	ggatcattga	720
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<210> 649

<211> 746

<212> DNA

<213> Homo sapiens

<400> 649

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atgatagata	ccatccaaag	ccagtgttgc	atatggtttc	atcagaacaa	cattcagcag	180

acctcaacag	aaactatagt	aaatcaacag	aacttccagg	gaaaaatgaa	tcaacaattg	240
aacagataga	taaaaaattg	gaacgaaatt	taagttttga	gattaagaag	gtccctctcc	300
aagagggacc	aaaaagtttt	gatgggaaca	cacttttgaa	taggggacat	gcaattaaaa	360
ttaaatctgc	ttcaccttgt	atagctgata	aaatctctaa	gccacaggaa	ttaagttcag	420
atctaaatgt	cggtgatact	tcccagaatt	cttggttgga	ctgcagtgtg	acacaatcaa	480
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ataccatac	ctgatttatc	tgaangcaat	tcctcagatt	tcaactatca	aaactaggga	660
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atcatgatac	cacttnacca	ctcctt				746

<210> 650  
 <211> 789  
 <212> DNA  
 <213> Homo sapiens

<400> 650						
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ngtactggaa	ttgtccnttt	gcctgttnac	ttngngtnta	ntcatttnta	tttaatgntn	780
aaattaang						789

<210> 651  
 <211> 757  
 <212> DNA  
 <213> Homo sapiens

<400> 651						
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tcaaataaag	tgctttgtta	ttatttcaga	gggaatggcg	attgaaatgt	tacaacagag	540
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tatntaaaat	aaaagttata	taaattacat	tgacaaaaaa	aanangtana	aaaaaaactc	660
gaacctttta	aaactatngt	ggagtccgta	ttacgttaga	tccagacctt	gataaganac	720
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<210> 652  
 <211> 759  
 <212> DNA  
 <213> Homo sapiens

<400> 652

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gccctgggcc	agggaggaag	gacaccggga	ggaacttctg	ggcttctgct	ggggccactt	600
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<210> 653  
 <211> 820  
 <212> DNA  
 <213> Homo sapiens

<400> 653

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<210> 654  
 <211> 768  
 <212> DNA  
 <213> Homo sapiens

<400> 654

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ttttaccaag	taaantgtct	ggaccaacca	tntgcaggtc	caaaannctg	gaaaaaccgt	720
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<210> 655

<211> 752

<212> DNA

<213> Homo sapiens

<400> 655

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gccaaagatac	aaattttaa	ggaacctttt	atgaagcttc	atagtgtgtg	aagaacttac	360
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accaaataatc	aaaaccacct	tgtagaaaa	cattaagggtc	tgtcttattt	atttgttcat	480
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ggcacgatca	cggctcactg	caacctncat	ctccctgact	caaggaatcc	ttccacctca	600
gccttccaag	tagcanggac	caccaggtgc	accccactat	gccagctta	attttttgna	660
ttttattgga	cagattgggg	ttttgcccac	gttattcagg	ctggatccct	nnggectcaa	720
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<210> 656

<211> 754

<212> DNA

<213> Homo sapiens

<400> 656

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ccagggtgat	ggcaggcacc	ttgaagctgg	aggataagca	gcggctggcc	cangaggagg	180
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agaagatcat	gtttggcaan	aggcgaaaaa	tccgagaggc	caacaagctg	gcngagaagc	300
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catgccanag	gacctaaagt	tgatggacca	gantcacttc	tnctcctcct	ttctncacca	480
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<211> 734  
 <212> DNA  
 <213> Homo sapiens

<400> 657

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tcctatctgn	gtatctgncc	ttatccantg	ggatactagg	aataaaagaaa	gtgatcattg	540
ntactttcaa	agcatctgcc	gggttgaaac	gatntncatg	tcccnaaaga	tttggtgatn	600
tgcagctnct	cantgctann	gtcggttttg	aanaaagttt	nccaaatnnn	tgtaccttgg	660
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<210> 658  
 <211> 783  
 <212> DNA  
 <213> Homo sapiens

<400> 658

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ccg						783

<210> 659  
 <211> 741  
 <212> DNA  
 <213> Homo sapiens

<400> 659

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<210> 660  
 <211> 734  
 <212> DNA  
 <213> Homo sapiens

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<210> 661  
 <211> 762  
 <212> DNA  
 <213> Homo sapiens

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gtnnntgacc	tnagacctc	agctgacnct	nccttngtan	ggttngatnt	nggaagcatc	420
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gtctgnntc	tgaccgcatt	ttgatccant	gntctgtgan	ganttnttca	ctgaacattt	720
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<210> 662  
 <211> 745

<212> DNA  
<213> Homo sapiens

<400> 662

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<210> 663  
<211> 748  
<212> DNA  
<213> Homo sapiens

<400> 663

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aaaacattta	gtgcagttctg	tattatcctt	ttccaacttt	tctgttttgt	caagtttttg	360
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<210> 664  
<211> 785  
<212> DNA  
<213> Homo sapiens

<400> 664

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cattaaattc	ttgaggaang	aaaatgacct	attatccccc	ataaagaacc	tgaaacttca	720
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<210> 665  
 <211> 763  
 <212> DNA  
 <213> Homo sapiens

<400> 665						
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gaaacagaaa	taaaattttt	gcactgctna	aannnaaann	actttccagc	naanctaaaa	720
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<210> 666  
 <211> 759  
 <212> DNA  
 <213> Homo sapiens

<400> 666						
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ataatgtaaa	acacatgaat	aaatttgcaa	aaccaagatc	acagtccacc	atatgcactc	660
tggtacctta	aatttttttt	ataaataatt	naaaagggaa	tattggaagc	ttcttaaaaa	720
aaaaaaaaan	aaaaaactcg	agcctntana	acttttgng			759

<210> 667  
 <211> 760  
 <212> DNA

<213> Homo sapiens

<400> 667

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aaaagaggct	tccggtttga	cnaaatgggt	gggtaacaga	aaggaactgg	ctaccggttc	660
cggactattt	gtaagtcttg	tncagaacat	gatcaaaggg	tgttacactg	ggctttccgt	720
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<210> 668

<211> 763

<212> DNA

<213> Homo sapiens

<400> 668

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gaaagggatt	ggaacataat	ggggagaaaa	gaaagccgta	attgacattt	tctggcanan	720
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<210> 669

<211> 754

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 670						
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<210> 671  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 671						
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<210> 672  
 <211> 792  
 <212> DNA  
 <213> Homo sapiens

<400> 672

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<210> 673

<211> 755

<212> DNA

<213> Homo sapiens

<400> 673

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<210> 674

<211> 753

<212> DNA

<213> Homo sapiens

<400> 674

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 <211> 760  
 <212> DNA  
 <213> Homo sapiens

<400> 675						
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 <212> DNA  
 <213> Homo sapiens

<400> 676						
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aaggtttact	gggtgnccna	tttgccatat	tattggaaac	ttggaaaggg	taatttgaaa	720
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 <212> DNA  
 <213> Homo sapiens

<400> 677

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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<210> 688  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 688						
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 <212> DNA  
 <213> Homo sapiens

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<210> 690

<211> 772  
 <212> DNA  
 <213> Homo sapiens

<400> 690

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 <212> DNA  
 <213> Homo sapiens

<400> 691

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<210> 692  
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 <212> DNA  
 <213> Homo sapiens

<400> 692

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 <212> DNA  
 <213> Homo sapiens

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<210> 694  
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 <212> DNA  
 <213> Homo sapiens

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<211> 745  
 <212> DNA  
 <213> Homo sapiens

<400> 695

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<400> 696

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 <212> DNA  
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<400> 697

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<212> DNA  
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<212> DNA  
<213> Homo sapiens

<400> 701

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<400> 702

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<210> 736  
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<212> DNA  
<213> Homo sapiens

<400> 736

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<212> DNA  
<213> Homo sapiens

<400> 737

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<213> Homo sapiens

<400> 738

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

<400> 741

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 <212> DNA  
 <213> Homo sapiens

<400> 742

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 <212> DNA  
 <213> Homo sapiens

<400> 743

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 <212> DNA  
 <213> Homo sapiens

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<210> 746  
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<212> DNA  
<213> Homo sapiens

<400> 746

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<210> 747  
<211> 786  
<212> DNA  
<213> Homo sapiens

<400> 747

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<210> 748  
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<212> DNA  
<213> Homo sapiens

<400> 748

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<210> 749  
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 <212> DNA  
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<210> 750  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<400> 750						
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ctctcaaaat	gctgaatgca	aaagtggga	tcacagaaac	attgtgccta	tttttgggtct	180
gctggaaact	gtattnttac	aaggtaatcc	ctgttctcaa	tatagtctct	gtcttgccac	240
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tctttcttac	tggggtgtcc	tctgtcttca	cagcctgctt	ctggattgta	ggttttttcc	360
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gacataactta	tgtggcttca	gatgtgtaaa	ataagtaact	tcctatcttt	gtctgtctag	480
ctcaagagtt	gactgtggac	gaggaaatgcc	tgtattgatt	cattaatgta	ataactattt	540
actgactgcc	taccatgtac	aaccagaaac	acagttccta	acctcatgaa	cttaccatgt	600
aacatgggaa	gacaagccta	agttcttatt	tggntggnaa	ttgcgataac	gctcacagaa	660
caaattcccg	attcctacga	acccatgtat	aggggggaaa	tatttaagggt	cccatttaat	720
actgacattn	gcccnccttc	ctnntatttt	aagctgagaa	tctgaagggn		770

<210> 751  
 <211> 774

<212> DNA

<213> Homo sapiens

<400> 751

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tgtagcttct	gtgtagactt	tatgtcagtt	tttgtcatta	tttgaaaatc	tattctgaca	120
actttttaat	tcctttgatc	ttataagtta	aagctgtaac	aactgaaatt	gcatggatca	180
agtaagcata	gttttatcca	gggagacngc	tcnnnggaag	ccatagaatt	gctctgggtca	240
aaaccaagca	caccatagcc	ttactgaat	atntagga	tctgccta	ctgcttat	300
ttggtgtttg	ttttttgact	gttgggcttt	gggaagatgt	tatttatgac	caatatctgc	360
cagtaacgct	gtttatctca	cttgctttga	aagccaatgg	gggaaaaaaa	tccatgaaaa	420
aaaaaagatt	gataaagtag	atgattttgt	ttgtatccct	acccatctcc	tggcagccct	480
actgagtga	attgggatac	atgggctgt	cagaaattat	accgagtcta	ctgggtataa	540
catgtctcac	ttggaaagct	agtcctttta	aatgggtgcc	aaagggtcaac	tgtnatgaga	600
taattatccc	tgctgntgt	ccatgtcaga	cttttgagct	gatcctgaat	aataaagcct	660
tttaccttat	ctggaaaaaa	aaaacattnt	anancaaaaa	aaaactnnga	gccctttana	720
actnttagng	agnccntttt	ccgtagaatc	ccngacntgg	ntaaggaanc	nnnc	774

<210> 752

<211> 778

<212> DNA

<213> Homo sapiens

<400> 752

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ccncaattta	tccaagttct	aacacattag	tagaaatgac	tcttggtatg	aagaaattaa	180
aggaagagat	ggaaggggtg	gttaaagacn	ttgctgaaaa	taaccacatt	ttagaaagggt	240
ttggctcttt	aacctgggat	gggtggccttc	gcaacgttga	ctgtcttttag	ctttctaata	300
gaagttaag	aaaagtttcc	gtttgcacaa	gaaaataacg	cttgggcatt	aaatgaatgc	360
ctttatagat	agtcacttgt	ttctacaatt	cagtatttga	tggtgtcgtg	taaatatgta	420
caatattgta	aatacataaa	aaatatacaa	atttttggct	gctgtgaaga	tgtaatttta	480
tcttttaaca	tttataatta	tatgaggaaa	tttgacctca	gtgatcacga	gaagaaagcc	540
atgaccgacc	aatatgttga	catactgatc	ctctactctg	agtggggcta	aataagttat	600
tttctctgac	cgctactggg	gaaatatttt	taagtggaac	caaaataggc	atcccttacc	660
aaatcaagga	agactgactt	ggacaccggt	tggaaaatgg	gtaaaaacgg	tggnttactg	720
gtganttggg	gagcnagaac	cggaccctact	ggtatactgg	ggantaacaa	tttttttc	778

<210> 753

<211> 775

<212> DNA

<213> Homo sapiens

<400> 753

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tatcaacaac	tcagagaaac	atcaaagagt	cttggaatgt	ctgatggcat	gcaggagcaa	180
acccccagaa	gaggaagaac	gaaaganacg	cggctgaaag	aggaagaca	aagaggacaa	240
gtcagagaaa	gcagtgaaag	attatgaaca	ggaaaagtct	tggaagact	cagagagatt	300
aaaaggaatc	ttagaacgtg	gaaaagaaga	attggctgaa	gctgagatta	taaaagattc	360
gcctgattcc	ccagaacctn	caaacaaaaa	accccttggt	gaaatggatg	aaactccaca	420

agtggaaaaa	tcaaaagggc	cagtgtcgtt	attatccttg	tggagtaata	gaatcaatac	480
tgccaattcc	agaaaacatc	aggaattttg	tggaccgttt	gaactctgtt	aataacagag	540
ctgaactata	tcaacatctt	aaagaggaaa	atgggatgga	gacaacagaa	aatggaaaag	600
ccagccggca	gtgaagagtg	acttgangaa	ctaaatttta	gcatattgca	aaaatatttt	660
gtgcgggaat	tcgatatnag	tactttttacc	agcaagatgg	natngttatg	tttgccctgga	720
ctggntttta	cattttttnaa	atttttttcag	tgnccttttt	tggctcctaaa	ttatc	775

<210> 754  
 <211> 1032  
 <212> DNA  
 <213> Homo sapiens

<400> 754						
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cccgaaggt	tccnaaat	tnagggttna	aacccaaatc	cttggggaaa	aaaaaaaaaac	180
ccagggccnt	ntntggggnc	cccctnnggg	gggtngggaa	aaaaaaaaaa	gggggaatgg	240
ccccaaaaa	aaaatnnggg	gcccctnngg	ggaaaaaaaa	gggaaagccc	aggtngggaa	300
nggaaagggg	gaaggnccc	ccggggggaa	aggaaatggg	tgggtnggna	atggcccaat	360
ggttggaaaa	ggcccaaacc	aatttgggnt	ntaaaacaat	ttcaacctgg	gggggtcctg	420
gcccanaaaa	aatgcngggc	accncngngg	ggtctggctt	aagaattggg	tacaagggca	480
aagggaaggg	gaagagttct	agagataaag	aactatatgc	ttggatgaag	tgtgtgaagg	540
gacagcctca	tgatcacaaa	catttaaatgc	caacccaaat	tataacctgg	tctgttttga	600
cagatcttct	agatgccatg	cacactctta	gggaaaaata	tggattataa	tcccattgnc	660
attggactaa	caaacagaat	ttacaagttg	gaaatttttc	tacaatgaat	ggtgtatctc	720
aagttttaca	gaatgntctt	aatcacagna	ataaaatttc	tctgtgcatg	cctgagtctt	780
cagcagcaaa	aatactcttc	cgaagtctga	gaaaaatggg	ggcagcagcc	caagaagagt	840
gatgtaggca	cagataacna	aggntaacct	cctccagaat	ccccagtcac	cactgcactg	900
gttaagcaga	acttngcagg	agcaaaaaag	cccngangan	ggaaaaaaaa	aannaaaaaa	960
aactcggagc	cctcttagaa	ctatangggg	ggccgnnnta	ccgnangatc	cccgaacctga	1020
anaggaaccc	cc					1032

<210> 755  
 <211> 798  
 <212> DNA  
 <213> Homo sapiens

<400> 755						
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ccctaagatg	ttattatggt	agggacataa	cacttttggg	agggtgttgt	gggagatggg	180
tgatttaggt	tttcaaaagc	tagaaataaa	atttacatnn	ccccggnntn	cataaaattc	240
tgctctaatt	gggtggaagg	tgctgtatct	aacttgtgtt	cctnctaagg	ttatgtccta	300
ataactattc	ttttaggagt	atacttctac	tttatagaag	gttgcttttt	ctttttaatt	360
ttntctaaca	aagaaaagaa	tnaagtattt	attaataaag	aaccagaaag	cacttgaaac	420
tgatgttttt	aaatgggctc	acttanggta	gatttattta	tctcattaac	ttaaaaacag	480
ctatgtgnat	tgaaataagt	cacaacagaa	cttgaacacc	agggtgggtg	tctgagcaat	540
cccctttctt	atggggaaaa	acaaatgggt	cttgtttgaa	cangaaggta	tcattgcagt	600
cngcattcac	ccgtgtataa	ttgnnatata	agntgnataa	tatgctcgta	aaggctnaag	660
gtnagctgga	tctggatgcc	cttnnaccaa	ttangatttt	aacttttaan	aataaaattt	720
naaancta	at	tgncnaaata	aaaaaaatan	naaacttcgg	ncctctacaa	780



<210> 756  
 <211> 834  
 <212> DNA  
 <213> Homo sapiens

<400> 756

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tccttcagct	ggtagcttnc	attcognant	nnanatanta	tntgtgcatg	cncnnttgaa	120
tttttgtgga	agaacagant	gcagaagaag	gcnaggaaag	ccgaagagan	tnntncggca	180
ncagaagctt	aaagnaggcc	aaactggtgg	tgcnctttcc	tcggnacaga	agctggatga	240
ctatggccaa	tttggagaaa	nagctocagg	agatggaggc	acggttcgag	aaggagtgtg	300
nagatggatc	ggatgaaaat	gaaantggaa	gaacatganc	tcaaagatga	ngatggatgg	360
taangacagt	gatgaggnc	gaagacnctg	agctctatga	tgacctttta	ctgnccanca	420
tgtgacaaat	cgtnaanaac	agtaaaggcc	atgaanaatc	acntagaagt	caaangaaa	480
cnnttgggaa	aaatggnggn	nctttgntaa	aaccacnagc	tggaanggang	gaagaannna	540
aaatttttta	agnacctcaa	attgattgaa	aaatncatta	tgatgacaat	tcctgnanga	600
ataaattggn	agatgcncta	naancaaaan	gcnttttttn	antnnaaana	nacaaannnt	660
nnagcctntt	ngaacntata	gtnnannctn	cntttanctn	tntatcccgg	actttntnt	720
ggataccntt	gactnagctt	ttggacaaaa	ncncnacttt	gtattncatt	ngnnaaaaaa	780
atgcntttat	ttttcgnaaa	tttgggtgaat	ncntaatng	ntnttattnn	nnnc	834

<210> 757  
 <211> 1062  
 <212> DNA  
 <213> Homo sapiens

<400> 757

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gggccagggg	aatnccccca	atnccggaat	tttccggggg	ntttgggggg	nttggaaagg	120
gccccttggg	gaaagggncn	tttccnaagn	aaaggggtng	gaaaattttt	taaattggcct	180
tttngggggg	aaaaagcccc	ctnggaatnc	ccccaaaaaa	cccttggggg	aaagggggga	240
aaaagggggg	aacctttngg	gnaatccttn	cccnttnaat	aatttggggg	aattaaancc	300
ctggtttggg	aaagggaaaa	gggttgggtc	tggtcttggg	ggaanggaat	tgggggccaa	360
nttaaaatgg	aaggtttggc	canaatnggc	cnettcgggg	gcttnttcaa	aagccaagcc	420
tttgggancc	ctgcttcatt	tttngggccc	tttntcgcca	aggaanccca	acccttaact	480
tancaggaaa	anggagatga	aaggccttct	tccaagggaag	gtaaggtoct	ttggctgccc	540
cnacttaaat	gctttttgaa	antctcttag	atgtggnaaa	tattttttcc	gaaccttgaa	600
atcaactngg	tagaatttca	attggaagca	taatccattg	taaaatatat	tttagttgat	660
atttggtaaa	atgccttttt	tgggtggtgt	gttngaattc	tgggtttccc	aagaatcttg	720
natttcaaat	ggtttaacaa	angggaagga	aaggganctt	ttcccttaac	cttccctttt	780
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gaagaaaaat	tgggatttgg	attttanaaa	aaangggaaa	aaaaatatna	ntattnatan	900
ntcnnannat	ntttnatnnt	ctannanttt	ncntnnnta	ntnctnntnt	ntnnannnna	960
nannnnannaa	ataaatantc	nnncatnctt	anctacanat	nccnntcttn	nttntannac	1020
tttnannnta	nntatctaan	tctntcccta	ttntaccctn	nc		1062

<210> 758  
 <211> 845  
 <212> DNA

<213> Homo sapiens

<400> 758

aaancccttn	tttnaaatcc	tttttanang	attcatcgat	togaattcgg	nacgaggcgc	60
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tntgcttacg	ggcaaaaacc	tgcacacgca	ccanttcccg	tnnccgttgt	ccaacaacca	180
gaagggtgatt	gcctttgggg	aancttctan	gncaacnacn	tgaacntatg	gacagtgcgc	240
tgntttggac	agaantggga	acnttnaggn	tgntgtgcgc	ttcnagcatn	tgggcacctt	300
tgtgttcctg	tcantcacgg	gtgagcanta	tggaaagccc	atccgtgggg	cagcatgaag	360
gtccacggca	tgcccaattg	caacacgcac	aaatacttgg	aangccatgg	aangcatntt	420
natcaagcct	aatgtgggag	cccttttgca	agtcacgaat	taactctnaa	nngtntggat	480
ggattgggtg	ggantggang	gttgcaagtt	ngggccnttt	tgaaaggcca	ctttttggna	540
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tgggcctatt	naaaaaaaan	atnatacttt	atntaatctn	nataataata	nttantaata	660
aaantcttnn	agccttttta	aaanttttta	atgaantctc	ttattttanc	gttanantnc	720
ntaacnttta	attaaaggaa	taacaatttg	ttgaantttt	ggtataaana	ccccccantt	780
tttaaaattc	ntntngaaaa	aaaatncntt	tattttggta	aaaatttgng	gaatcnnttt	840
tgctn						845

<210> 759

<211> 947

<212> DNA

<213> Homo sapiens

<400> 759

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ttncnttttt	gggggggaaa	ngccccccc	caaangnaaa	aaccnttttt	nnnnaatttn	120
nggggnanggg	ntntggggnc	ccnttaaccc	caangggggg	gggttttnan	cctggggggn	180
naaaaatnggg	ggaanaantn	nnnaatgggn	antcccttna	angggaaaaa	naatttnncc	240
ttaagggnnat	gggncattaa	tnttnatccc	tantggattn	caatttcatt	cgnattaaag	300
gctttttactg	gnataatect	tnnccggccc	cncgtgtagt	ttaaagtgcc	canaanttga	360
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cngtaatncc	agcatttttg	gaggcctgag	gcangcggat	cacganggca	anagagtcca	480
gaccattnct	ggctaacacn	gggaaacccc	gggnctaata	aaaaatcaaa	aattaggntg	540
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nntggctttt	ccctttnaaa	agggaaaaan	ggntttaanc	ccctgaaaaa	ngngcngnnt	900
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<210> 760

<211> 759

<212> DNA

<213> Homo sapiens

<400> 760

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agaagatatg	cagagatat	ccaggatctt	ttagcttttg	tgcggtctcc	tggagacagt	120
gttattcgcc	aacagtgtgt	tgaatatgtc	acatccattt	tgcatgtctc	ctgtgatcan	180

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ttgcanagca	tgattatgga	ttatttcatt	taaaaagttc	tttaaagaaa	aacagtagtg	420
ctctgcatag	tttactgaaa	cgagtgggtca	gcacatttag	taaggacaca	ggagagcttg	480
catcttcatt	tttagaattt	atgagacaaa	ttcttaactc	tgacacaatt	ggatgctgtg	540
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<210> 761  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 761						
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caatcaatcg	gagttctccc	cttgccggag	ctgcccctca	cctttggggc	ccgagacagt	180
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caccactgcc	acaaggctcc	ctaagtctgg	tctctgctcc	actccccggc	ttcccgtgag	360
gcangaggca	gagccacagc	caaggccctg	accacttctg	tgccagttgt	ctaagcagag	420
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atttactggt	tacagctggc	cagtgcanaan	ctgctgctct	tttacctttt	taggccccctg	600
taacttncca	ccttttaact	gccaanaag	catgcctntt	ccacaggaag	aagggagcag	660
acagggaaat	ctgcctacca	anaagggtgt	tgtgtgtctt	tgtgccaca	cgtggtggct	720
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<210> 762  
 <211> 1032  
 <212> DNA  
 <213> Homo sapiens

<400> 762						
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cnatcngaen	gaanttgagg	gggntagnnn	nggttanatn	attgatgaat	ggnttcaana	240
tngnaaantt	tatnancgan	atgnnatant	tnnaaangan	gaccaactgg	gntnanatgg	300
agnannnatn	aannngntaa	ncnatanana	tantncattt	ggtanganaa	tngangaagg	360
attntcaaat	agncatgtng	gangatgaac	ntnnaggnnn	nagaatattt	ggataaaaatt	420
ggtantatga	agatntggnn	taataatacc	nanaaatnnn	nnantttnat	nanngangaa	480
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gntagnnnta	tnnacttttg	naancanana	tgtaattctc	tctanacggg	aatntttnta	660
tnntnnntat	caagaggtnt	ntnnattgna	aatantatac	nnttgnanaa	antatatcna	720
tanaanaaan	ggnnattatt	ntatatganc	aaanaaaaaa	ntattgngga	nttanattat	780
ctctcatnat	ngattatncn	gtantgtata	atggnnnnata	antatgtnnn	tntaanataa	840

atggatataa	gtnttatant	atgcnctna	aggnggtcng	anaantatgt	aattatattn	900
angctanata	cnatnnan	gtntnactaa	atatngntgt	gaaangtntg	cgnggnaaaa	960
tntgttanta	ntnaaacang	gtataganat	atanatgnng	ngaatatcta	ctatntgtan	1020
atacttatan	ca					1032

<210> 763  
 <211> 817  
 <212> DNA  
 <213> Homo sapiens

<400> 763						
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gcctccctca	gaggtttgga	gtcgggcgtg	gcagtctgtg	gttggcctct	ttccgagggg	180
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<210> 764  
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 <212> DNA  
 <213> Homo sapiens

<400> 764						
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<210> 765  
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 <212> DNA  
 <213> Homo sapiens

<400> 765

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<210> 766

<211> 779

<212> DNA

<213> Homo sapiens

<400> 766

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<210> 767

<211> 799

<212> DNA

<213> Homo sapiens

<400> 767

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 771

<212> DNA

<400> 771

<210> 772

<212> DNA

<400> 772

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<210> 773

<211> 782

<212> DNA

<213> Homo sapiens

<400> 773

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<211> 793

<212> DNA

<213> Homo sapiens

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793

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<212> DNA

<213> Homo sapiens

<400> 775

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<211> 785

<212> DNA

<213> Homo sapiens

<400> 776

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<210> 777

<211> 1366

<212> DNA

<213> Homo sapiens

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tganagagcn aaanaanatn aagggccttg gngaaaangg aaaaacagat agngtcatnc 960  
natatatncn natgananan tggggnaatn taatctacnn tanatnnngg ggaaaaaaat 1020  
cnnncatgac nnnaaaanga gntaatgna nnatgagaga ttaaaccnat aaacnagag 1080  
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gaaataaatn gggnaacaata acatatatgn ggatgtacan tnttggncng aaaaactata 1260  
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<210> 778  
<211> 775  
<212> DNA  
<213> Homo sapiens

<400> 778  
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tgaataacctg ggaagtaaaa aggaagttca nacctgttta aaacgaattc gacttgatct 480  
ccctatttta catgaagatt tttgttagca ataagatga agttgcggag aataatgaac 540  
atgatgtcnc ttctactgaa ttagatccct ttctgacaaa cttatctgaa agtgagatgt 600  
ttgcttcttg agttaagtag aagcctaaca gaaggagcca accacaaaga attgagagaa 660  
atnaacaact gggccttngg aaagaaangc nggccaagct gcttgagtaa tagtcaganc 720  
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<210> 779  
<211> 781  
<212> DNA  
<213> Homo sapiens

<400> 779

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gacaaaattg	gtcagccatc	tattgctttg	gagtacataa	atactgctat	tgaaagtaca	300
cctacattaa	tagaactctt	tctcgtgaaa	gctaaaatct	ataagcatgc	tggaaatatt	360
aaagaagctg	caaggtggat	ggatgaggcc	caggccttgg	acacagcaga	cagattttatc	420
aactccaaat	gtgcaaaata	catgctaaaa	gccaacctga	ttaaagaagc	tgaagaaatg	480
tgctcaaagt	ttacaaggga	aggaacatca	gcggtagaga	atttgaatga	aatgcagtgc	540
atgtggttcc	aaacagaatg	tgcccaggct	tataaagcaa	tgaataaatt	tgggtgaagca	600
cttaagaaat	gtcatgagat	tgagagacat	tttataggaa	atcactgatg	accagtttga	660
ctttcataca	tactggatga	aggaagatta	cccttagatc	atatgtggac	ttattnaaac	720
tatgaagatg	tacttttnaca	gcatncattt	tacttcaagg	cagcaagaat	tgctttttaga	780
c						781

<210> 780  
 <211> 783  
 <212> DNA  
 <213> Homo sapiens

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gtagatccta	atgatcctca	natgttggcc	ttcaacccca	ggaaaaagaa	ctatgatcga	180
gtaatgaaag	cactggatag	cataacttct	atcagcnaaa	tgacacaagc	accatatctg	240
gaaatcaaga	agcaaatgga	taaacaggac	ccccttgctc	atcccttact	gcaatgggtt	300
atatcaagta	atagatcaca	tattgtgaaa	ctgccagtta	acaggcaatt	gaagtttatg	360
catactccac	atcagttcct	tcttctcagc	agtcaccag	ccaaagaatc	caatttttaga	420
gctgctaaaa	aactcttttg	aagcaccttt	gcatttcatg	gctcacacat	tgaaaactgg	480
cactccatcc	tgaggaatgg	tctggttggt	gcttctaata	cacgattgca	gctccatggg	540
gcaatgtatg	gaagtgggaat	ctatcttagt	ccaatgtcaa	gcataatcatt	tgggtactcag	600
ggatgaacaa	gaaacagaag	gtgtcagcca	aggacgagcc	agcttcaagc	agtaaaagca	660
gcaaatacat	cacagtcacn	ggaaaaaagg	acagcaatcc	caattcctgc	caaagccgta	720
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ggc						783

<210> 781  
 <211> 796  
 <212> DNA  
 <213> Homo sapiens

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aggngccaga	agtgnccgca	gcagcagccg	cagcagccca	aagagaggca	agagaaagag	180
aaagcggcgg	gtggaggggt	nnncggaaga	gctggtcccc	gtggttgagc	tgggtccccg	240
tgggtgaatt	ggaagaggcc	atagccccag	gctcagaggc	ccaggcgct	tgggtctggg	300
ggggacgcgg	gggttgcccc	caatggtgca	gctgcagcag	tcaccactag	ggggtgatgg	360
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cacccgctcc	acccttttta	aacccccag	cccttgctcg	tgagattggg	cttgggtagg	480
gacagaagag	gccccgaaatc	cctcccccat	gcttnctgac	ccttgtttg	ccaaagggca	540

tctttgatgg	tacaaagcag	angcttcggg	anaagcttcc	gtcacaacac	tncaaggtcc	600
cttcccaagg	gcaaggggat	ttnggcttca	tgagctnctt	tgaggggctt	ttttttggtc	660
annccccacc	ttnggggcca	tttttcccaa	ttaacttacc	cccaacccca	agncanggtt	720
nagggggnaa	agggcttctn	anttcatta	aagggggttt	gtttgttgnt	gttttaaacc	780
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<210> 782  
 <211> 886  
 <212> DNA  
 <213> Homo sapiens

<400> 782						
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ggacacngtt	ntaannnnan	nagngnngt	tttngnanan	agggnnnnna	gnngnannna	180
ngngnnggag	ggaannaagg	nanagnannn	ggnagnnaag	gnnnnaaaga	agnagnnang	240
gaganggnnn	ngggnggggc	atgangnggg	nncagaggca	cgaggagccc	aagaccatca	300
cngangagna	ngagcagggg	accnacatnn	acnnggacna	cgagaagngg	ggccagcgga	360
agaaggaagg	nagnacctng	agnaccgnta	ccaggaggan	cgggaccnac	agnagacanag	420
gnccnnnncn	anacggannn	nanaaacgng	aagcaggann	nnnanggacc	aagggaaggg	480
nncnngnncn	ggaaaganng	ggagggaggn	ncgaaggcaa	aggggggann	cgnnannncc	540
aggaagnang	gaaggggggn	cgggaggnna	annkanaaga	ngaaccnngg	gggnncaggg	600
gggcgagggg	agcanaannn	nnccnnagnc	aanngaaggg	gananaagag	ngggaaaann	660
aannagaaa	agggaaaaana	agnnaaggaa	anaaaagang	ngnnaannng	gganaaaaana	720
ngngganann	gnngganana	ngngnannan	aaaanngagg	aggncanngg	gnaaaanaana	780
nggggagggg	nganananag	ngaannagac	aaggaanagn	gaannagngn	anagnanngn	840
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<210> 783  
 <211> 805  
 <212> DNA  
 <213> Homo sapiens

<400> 783						
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aagatgagaa	gacatcttgg	aagacttgaa	ttgggccttg	gaagaagaac	agccattcaa	180
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tagtcatggg	gttggggcac	tggttgaatt	taaggttgga	aggatatatt	ggagcccctt	300
gaatacggta	acaaggcaca	ccttgggcag	tggagagtta	tcagagtgtt	tgaaaaggag	360
ggttattgag	taaataaata	gactggtact	ttaggaattt	taaaatgtgg	atcattgtac	420
tactaataac	tatntatttt	atatttacta	tctactaagt	aattttacatg	tattttcttg	480
tactgactgt	aaaccttctg	ggtgtgggtg	ttttaagtgc	catttttactg	ataaagaaac	540
tgangcttaa	atagntgaaa	tanntcacco	tgtagtgag	tggcacaatg	acaagtcann	600
atcttanggt	tgccnanntc	caaaaanncat	ttaaanntnn	agnatnattg	annnttttnc	660
cttatggcgt	nnnaaatttg	gggagccatt	attgaaatcc	nttacnacnt	angaattgnc	720
caaaaaaaat	actttttggg	gaaaactgga	tttattaatt	atccaaaata	atttnantgg	780
cttgnttggc	ttntttccac	tntnc				805

<210> 784  
 <211> 776

<212> DNA

<213> Homo sapiens

<400> 784

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ataaagcctg	caagttacta	aattgnagtt	ncataaatc	tgtagtnaag	tatcatcttg	180
gcagngtgcc	aaagggtgaaa	angntgcttn	ctctaacaga	gaaattctta	gngactccag	240
tcgtanaaaa	acgtctttac	aacctgaata	agatnganga	attgngaaca	taccatggcc	300
tattggatga	atcatttgcc	ggnggctana	ncagactgta	gggtttgtga	tggatntatg	360
gagtatgtgg	gtatagaaat	catgaatntn	ccatttgnnn	ncagagattc	aagcntanac	420
ttaatgggta	gatcataaat	gacagaatga	attcaaaacc	tagcacgtgc	attgtaaattg	480
tgtgccccaga	tatgtnttgg	aaatggcagn	tccttggggt	catgtntcta	ctggcaaaaat	540
ttgctatagn	gnnactattg	nantgtaatt	ataaaattna	tcannattat	ncaccgattn	600
gccaaagtaaa	ctgtactgtg	cataggaatt	ttgggaattg	tgcanaaatt	ggatcaattg	660
aanttnagaa	cngatgtctg	ggcttaaaaa	tttatcnggg	accacnnatt	angaaactna	720
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<210> 785

<211> 778

<212> DNA

<213> Homo sapiens

<400> 785

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aatgtgcaat	tgaaatcaag	tgctgtttta	gtgcagctag	gantccacag	gaagacactt	240
gcagtgaaca	gagttatgga	gcagcaaaaa	cacagatcta	tttggaaaaa	gagaaaacat	300
atgcgttgta	ttttgcttca	attataaaat	accatcctct	caaagggtgg	tctaaattac	360
aaaggacttt	gatttctagg	tagattctgg	gtagagactt	cctttcatat	tgaggcatta	420
atgacacctt	ttaacctggg	aagcaatatg	actggagtgt	tactttgaga	agattaatca	480
ggtttggttg	cagaatgaaa	gagaagatga	agtcaagaga	ttggtttaga	ggctctagca	540
gaagcttagt	catatttcaa	aatgatcaaa	tatcaagaaa	aattctgagc	tgcataactt	600
gtataaagta	attttcagtg	atttttttca	tggttatgat	aaaagaactg	gatttagcaga	660
aactttttacc	ctgaatcaag	atttaatttt	tctttgagct	catcttaagg	atatcggaac	720
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<210> 786

<211> 805

<212> DNA

<213> Homo sapiens

<400> 786

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aggatcactt	gagcttagga	gttcaaatcc	agcctgagcc	aacataacaa	gactttgtct	180
ctaaacaaaa	cagttattgt	ttaaagaatc	tgaaatcttc	atctttaatt	caggtagccg	240
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ttattaaagt	atcgagagac	aaaatatcag	acagcaatga	ccaagagtca	gcaaattgtg	360
atgcaaaagg	gctatcaaag	ggaggctttt	tacagagaac	taaggaagag	aaggagggtg	420

ttaaagagac	ttgagatcag	aaaaagatca	agaacaactt	gaatctcaaa	gtatgaattt	480
gaagtatttt	gctgagcaaa	catttgaatg	cctgtatgta	ccgtaatcct	ctatcactgg	540
gggtccccaac	cccggtagca	gcccgtggcc	tgctagggac	tgggcccgcac	agcaggagggt	600
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cagcgttaga	ttctcatagg	agtgcataac	cctattgtaa	actgcccatt	ccaagggatc	720
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<210> 787  
 <211> 775  
 <212> DNA  
 <213> Homo sapiens

<400> 787						
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agaacaactt	gaatctcaaa	gtatgaattt	gaagtatttt	gctgagcaaa	catttgaatg	480
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tgctagggac	tgggcccgcg	cagcaggagg	tgagcagngg	gtgggcaagc	cgaccattcc	600
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<210> 788  
 <211> 774  
 <212> DNA  
 <213> Homo sapiens

<400> 788						
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tacatgcaca	gttcattgcc	acctttctta	ggcctatgca	tagttaataa	ggttataatc	300
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ctcttagttt	ctttttttat	agttgggtta	ttttgcaatt	ataaatgtta	aacatcccta	420
gagatgaaag	ttaaaatggt	tgatcacaga	tcagtagcaa	aatacaaatt	gacaattcaa	480
aattataaat	aaaactctgt	tgaggatgtt	taactttgag	tctccaaatt	taagagctaa	540
gcttggaaga	aacaaattta	taggttatat	ttccctctta	aattaaanaa	acaaacttcc	600
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<210> 789  
 <211> 773  
 <212> DNA

<213> Homo sapiens

<400> 789

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aactnntggt	gcaactatgn	ngnttggaag	atgctgcnta	tgtttattga	ggattgcann	180
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ttatacgaag	ncnangaaaa	ggtggcaatc	atngaanaat	gngnatnatg	ttangaaacc	480
tctctaaaaa	gntgacggca	ctttaacccc	natgatgatg	ggaaggaggn	accaccaacc	540
acattanttt	nggggtccagt	actacttgge	acanccttat	nacgaaactg	gncngtncnt	600
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nctctttntc	anganagctn	ngatccata	ngacntgctg	ganatnttta	aggaancttc	720
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<210> 790

<211> 953

<212> DNA

<213> Homo sapiens

<400> 790

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atgcttngtg	aagcctgann	ccaaanctna	aggngaggac	ctggatcccc	ttatatngaa	180
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aacctgaaaa	tgcagctggg	anaatntcaa	tgggaagcat	aaatncatgt	aaaatataat	480
tnagntngaa	tatnanngta	aaaatgcact	tttnngcggg	gtgacngatc	ctgggnnccc	540
annatctggn	attnaagnn	tttacnaang	gaanggaaag	gacctttnc	taaactacct	600
ttttgaacag	ancattaaga	angnncnttc	ttttaagnaa	aaaaaaatca	aatttttng	660
aaaantggna	ttngaattgn	nagaaaaang	gatananaan	aaaanccaat	nntaannacc	720
nannctctct	gganttcnac	tatctccact	acntacntnt	acntatngcg	ntaanatnna	780
ctnttaacntc	nnntantcn	cacanacntc	ntcnaacnta	atnangcnch	canaatcctc	840
tatannatnt	antgtnnntc	acannncnna	cnggntaant	ntnnncaacg	ccatatcacc	900
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<210> 791

<211> 798

<212> DNA

<213> Homo sapiens

<400> 791

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gggtgtattc	cttgggggat	ggtttgggcc	gaatggggag	tgggaatattt	gcnttcncc	180
tgttttaaat	tctaggatag	attttaacat	cctttgcggg	cccagtccaa	ggtangctgg	240
tgatcatagtc	ttctcactcc	taatccatga	ccactgtttt	tttcctattt	atatcaccag	300

gtagcctact	gagttaatat	ttaagttgtc	aatagataag	tgtccctggt	ttgtggcata	360
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aatctgtgta	tctaatacta	acccaatctg	tttggatgtg	gatttttaaaa	aaatgtttgc	480
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<400> 799

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 <212> DNA  
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<212> DNA

<213> Homo sapiens

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<211> 947

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<213> Homo sapiens

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<211> 1029

<212> DNA

<213> Homo sapiens

<400> 807

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<210> 812  
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 <212> DNA  
 <213> Homo sapiens

<400> 812



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 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
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<210> 836  
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 <213> Homo sapiens

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<210> 837  
 <211> 719  
 <212> DNA  
 <213> Homo sapiens

<400> 837

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<210> 838

<211> 579

<212> DNA

<213> Homo sapiens

<400> 838

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<210> 839

<211> 1172

<212> DNA

<213> Homo sapiens

<400> 839

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<210> 843  
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 <213> Homo sapiens

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